

DEXGREEN

Catalogue

05 May 2020

Version 1

► OUR OFFER

To provide the full Basket of products required for communications and broader utility network with the added value 3PL service to hold and delivering stock to any location required

► VALUE PROPOSITION

Dexgreen's main value proposition is to collaborate directly with end users of utility products in order to develop and produce products and solutions that are fit-for-purpose and reduce total cost of ownership to the carrier.

► ABOUT US

Dexgreen is a privately-owned Irish company with a global presence. We work directly with utility companies to provide appropriate materials that reduce total cost of ownership. As a result of this, we have developed a complete catalogue of these items. We work with a diverse range of partner companies and stock their materials in order to increase our materials offering to utilities.

► INNOVATION

We are focused on innovation and developing novel solutions quickly.

► ESTABLISHED TRACK RECORD

We have a long proven track record of assisting utilities in rolling out networks across all areas including technology, sourcing, logistics, supply chain. As a result of this we have built a team to operate the full supply chain from manufacturing to supplying end user.

► LOCAL PRESENCE AND RELIABLE PARTNER

From our main office in Little Island, Cork we are fully set up to provide essential local support such as quick delivery, product training, spares / returns, etc. All of this activity is key to supporting an efficient and successful roll-out of complex utilities.

► QUALITY CONTROL

Our Quality Control team performs extensive testing on products at our lab and test facilities. We are fully accredited to ISO9001 and ISO14001.

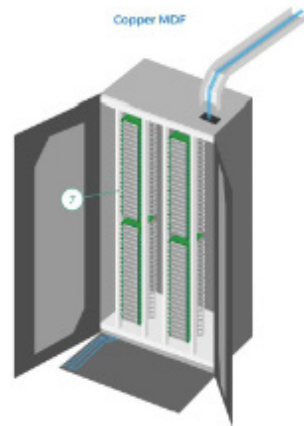
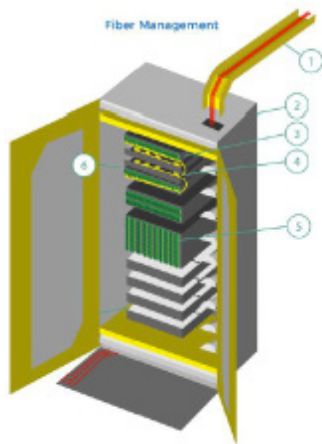
Product	Page
1. FTTH Solutions	
1.1 Central Office Equipment	6
1.2 Outside Plant	20
1.3 Multi Dwelling Unit	27
1.4 Single Dwelling Unit	39
1.5 Fibre Optic Patch Cord	46
1.6 FTTA	49
1.7. Fibre Optic Cleaning	62
1.8. Fibre Optic Test Equipment	65
1.9. Fibre Optic Tools	67
1.10. Fibre Optic Tools	72
2. Copper Access Networks	
2.1 Tool-less Modular Connector	83
2.2 Modular Connector Range	90
2.3 Distribution Point and Cabling	102
2.4 Closures	108
2.5 Discrete and Modular Splicing Connectors	120
2.6 Heatshrink	130
2.7 Sealant	134
2.8 Test Equipment	139
2.9 Miscellaneous Products	142
2.10 xDSL Splitter	146
3.0 Aerial Pole Furniture	
3.1 Pole Stay and Work Fixings	151
3.2 Anchoring Brackets	154
3.3 Anchoring Clamps	156
3.4 Suspension Clamps	160
3.5 Suspension Brackets	163
3.6 Pole Fixings and Accessories	165
3.7 Slack Management Brackets	175
3.8 Drop Brackets	177
3.9 Drop Clamps	179
3.10 Customer Premises Anchoring	182

Product	Page
4.0 Cable Pulling	
4.1 DEX Trolley	184
4.2 Cable Pulling Systems	185
4.3 Inspection System	194
4.4 Cable Roller Systems	195
5.0 Utility Tools	
5.1 End Stripping Tools	197
5.2 Standard Kit Set for Electrical Wire	197
5.3 Primary Distribution Tools	197
5.4 Specialty Distribution Tools	197
5.5 Transmission Tools	198
5.6 Utility Accessories	198
5.7 Electronic Industrial Tools	198
5.8 Electrical Scissors	198
6.0 Safety Equipment	
6.1 Head Protection	200
6.2 Ear Defenders	201
6.3 Eye Protection	202
6.4 Respiratory Protection	203
7.0 Lighting & Torches	
7.1 Saint Torch-Series	205
7.2 T&P-Series	205
7.3 P5 Dual-Light	206
7.4 Flashlight Set	207
7.5 myTorch S-Series	207
7.6 E-Series	208
7.7 S-Series	208
7.8 H-Series	210
7.9 Birke Light	211
7.10 GLO-TOOB	212
7.11 Accessories	212
7.12 Display	215

Product	Page
8.0 Electrical Tape	
8.1 PVC Electrical Tape Series	217
8.2 Automotive Wire Harness Tape Series	218
8.3 Fuctional Tape Series	218
8.4 PVC Wrapping Tape Series	218
8.5 High Voltage Self-fusing Rubber Tape Series	219
8.6 Fibre Insulating Tape Series	219
9.0 Structured Cabling	
9.1 Copper Data Networks	221
9.2 Computer Centre	252
9.3 Data Network Cabinets	254
9.4 Power Supply Units	265
9.5 SubRacks	265
9.6 Class C Cabling	266
10.0 Road Measuring	269
11.0 Flood Defence Solutions	
11.1 Liquid Diffusion Blocking Layer	274
11.2 Protective Cushion	276
11.3 HWS Flood Defence for Electrical Cabinet	277
11.4 Sealing Cushion	279
11.5 Flexible, Reuseable Swelling-tape Coated Sealing Cushion	283
11.6 Swelling Sealing Tape	285
11.7 Swelling Tape with Sealing Tape (self-adhesive)	286
11.8 Sealant	287

1.1 Central Office Equipment

Full range of passive components for Telecom Central Office



Application

- Telecommunications Central Office
- Data Centres

Features and Benefits

- **Customisations:** All products can be modified according to customer requirements
- **Range available:** wide range of each type of product is available at multiple price points

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We collaborate, innovate & deliver

1.1.1. Patch Panels/ ODF

Code	Description	Image
1.1.1.1. Overlength Panel		
10806	<ul style="list-style-type: none"> • 1RU Height • Routing System included • Pivot type (left or right) 	
1.1.1.2. Patch/ Patch		
10804	<ul style="list-style-type: none"> • 1 RU Height • Capacity = 24 x SC or 48 x LC (duplex) • Pivot type (left or right) 	
10804-2	<ul style="list-style-type: none"> • 1 RU Height • Capacity = 24 x SC or 48 x LC (duplex) • Pivot type (left or right) 	
1.1.1.3. Splice/ Patch		
10805	<ul style="list-style-type: none"> • 1 RU Height • Capacity = 24 x SC or 48 x LC (duplex) • Pivot type (left or right) 	
10807-48	<ul style="list-style-type: none"> • 1 RU Height • Capacity = 24 x SC or 48 x LC (duplex) • Splice capacity up to 48f (double stack) • Pivot type (left or right) 	

1.1.1. Patch Panels/ ODF

Code	Description	Image
1.1.1.3. LC Patch/ Patch - Pre-taild		
10807	<ul style="list-style-type: none"> 1 RU Height Capacity = 24 x SC or 48 x LC (duplex) Splice capacity up to 48f (double stack) Pivot type (left or right) 	
10808	<ul style="list-style-type: none"> 1 RU Height Capacity = 24 x SC or 48 x LC (duplex) Splice capacity up to 48f (double stack) Pivot type (left or right) 	
1.1.1.4. Pre-tailed		
10804	<ul style="list-style-type: none"> 1 RU Height Capacity = 24 x SC or 48 x LC (duplex) Dual pivot (left or right) 	
10804-3	<ul style="list-style-type: none"> 1 RU Height Capacity = 24 x SC or 48 x LC (duplex) Single pivot (left or right) 	
1.1.1.5 Integrated 3U 144f LC Patch-Patch		
Intergrated Panel-01	<ul style="list-style-type: none"> High Density Panel = Upto 144f Compact 3 RU 	
Integrated Panel-02		

1.1.1. Patch Panels/ ODF

Code	Description	Image
1.1.1.7 Removable trays (patching/ splicing)		
Integrated Panel-03	<ul style="list-style-type: none"> • Complete system • Multiple trays possible, i.e. splice/ patch, patch/ patch and splice/ patch 	

1.1.2. Ducting

Code	Image
1.1.2.1 Sizes	
1.1.2.1.1 2" (2"x2" 50mm x 50mm)	
Raceway-01	
Raceway-02	
Raceway-03	
Raceway-04	
Raceway-05	
Raceway-06	
Raceway-07	
Raceway-08	
Raceway-09	
Raceway-10	
Raceway-11	
Raceway-12	

Code	Image
1.1.2.1 Sizes	
1.1.2.1.2 4" (4"x4" 100mm x 100mm)	
Raceway-13	
Raceway-14	
Raceway-15	
Raceway-16	
Raceway-17	
Raceway-18	
Raceway-19	
Raceway-20	
Raceway-21	
Raceway-22	
Raceway-23	
Raceway-24	
Raceway-25	
Raceway-26	

Code	Image
Raceway-27	
Raceway-28	
Raceway-29	
Raceway-30	
Raceway-31	
Raceway-32	
Code	Image
1.1.2.1 Sizes	
1.1.2.1.3 6" (4"x6" 100mm x 150mm)	
Raceway-33	
Raceway-34	
Raceway-35	
Raceway-36	
Raceway-37	
Raceway-38	
Raceway-39	
Raceway-40	

Code	Image
Raceway-41	
Raceway-42	
Raceway-43	
Raceway-44	
Raceway-45	
Raceway-46	
Raceway-47	
Raceway-48	
Raceway-49	
Raceway-50	

Code	Image
1.1.2.1 Sizes	
1.1.2.1.3 10" (4"x10" 100mm x 250mm)	
Raceway-51	
Raceway-52	
Raceway-53	
Raceway-54	
Raceway-55	

Code	Image
Raceway-56	
Raceway-57	
Raceway-58	
Raceway-59	
Raceway-60	
Code	Image
1.1.2.1 Sizes	
1.1.2.1.3 12" (4"x12" 100mm x 300mm)	
Raceway-61	
Raceway-62	
Raceway-63	
Raceway-64	
Raceway-65	
Raceway-66	
Raceway-67	
Raceway-68	
Raceway-69	
Raceway-70	
Raceway-71	

Code	Image
Raceway-72	
Raceway-73	
Raceway-74	
Raceway-75	
Raceway-76	
Raceway-77	
Raceway-78	
Raceway-79	

Code	Image
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1.1.2.2 Hybrid Connector

1.1.2.2.1 - 6" to 4"

Raceway-80	
Raceway-81	
Raceway-82	
Raceway-83	
Raceway-84	
Raceway-85	

Code	Image
1.1.2.2 Hybrid Connector	
1.1.2.2.1 - 10" to 6"	
Raceway-86	
Raceway-87	
Code	Image
1.1.2.2 Hybrid Connector	
1.1.2.2.1 - 12" to 6"	
Raceway-88	
Raceway-89	
Raceway-90	
Raceway-91	
Raceway-92	
Raceway-93	
Raceway-94	
Raceway-95	
Code	Image
1.1.2.2 Hybrid Connector	
1.1.2.2.1 - 12" to 10"	
Raceway-96	


Code	Image
1.1.2.3 Exit Drop	
1.1.2.3.1 - 2" Exit Drop	
Raceway-97	
Raceway-98	
Raceway-99	
Raceway-100	
Raceway-101	
Raceway-102	
Raceway-103	
Code	Image
1.1.2.3 Exit Drop	
1.1.2.3.1 - 4" Exit Drop	
Raceway-104	
Raceway-105	
Raceway-106	
Raceway-107	

Code	Image
Raceway-108	
Raceway-109	
Code	Image
1.1.2.3 Exit Drop	
1.1.2.3.1 - 6" Exit Drop	
Raceway-110	
Raceway-111	
Raceway-112	
Raceway-113	
Code	Image
1.1.2.4 Installation Supporting Systems	
Support-01	
Support-02	
Support-03	
Support-04	
Support-05	




1.1.3. High Density Enclosures

Code	Description	Image
1.1.3 High Density Enclosures / ODF's		
<p>Size 1 = 2.200mm X 760mm X 610mm</p>	<p>2200mm x 760mm x 610mm</p> <ul style="list-style-type: none"> • Supports 4752 LC or 3168 SC ports per frame: Saves space through increased port density. • Rear cable access only. • Modular design: Enables one rack for many application spaces, e.g. central office, head end, FTTx and data center. • Increased patch cord routing space: Supports standard 1.6 and 2.0 mm patch cords. 	
<p>Size 2 = 2200mm X 900mm X 300mm</p>	<p>2200mm x 900mm x 300mm</p> <ul style="list-style-type: none"> • Fully front side operation, convenient for maintenances. • Cable guides mounted on left and right side of canal are removable and relocatable to different positions within the same vertical line, to ensure a minimum bend radius of 30mm for the patch cords from any ODFs. • There are two lateral canals with separate doors (on left and right side of the frame) for distribution and management of fiber optical cables; • The side-hinged doors help to well protect the patch cords distribution area. • All the plastic elements in the frame are fire-resistant meets UL-94. 	

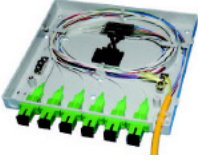
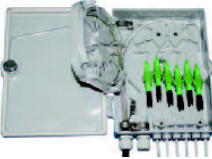



1.2.1. Flat Closures

Code	Description	Image
Flat-01	<p>ODC-FD1-Flat Closure</p> <p>The generic closure ODC-FD1 is an environmentally sealed enclosure typically used for fibre optic cable distribution. This generic closure provides the functions of splice and passive component integration in the external network. The ODC-FD1 has a very small compact design tailored made for all modern FTTX applications.</p> <ul style="list-style-type: none"> ▶ Dimensions: <ul style="list-style-type: none"> • 48 fibre: 245 (L) x 139 (W1) x 169 (W2) ▶ Trays: 4 ▶ Cable ports: <ul style="list-style-type: none"> • A Round Port: 30 • B Oval Port: 65 ▶ Adaptors: 8 x LC/4 x SC 	
Flat-01	<p>ODC-FD6-Flat Closure</p> <p>The generic closure ODC-FD6 is an environmentally sealed enclosure typically used for fibre optic cable distribution. This generic closure provides the functions of splice and passive component integration in the external network.</p> <ul style="list-style-type: none"> ▶ Dimensions: <ul style="list-style-type: none"> • 48 fibre: 432 (L) x 279 (W1) x 150 (W2) ▶ Trays: 4 ▶ Cable ports: <ul style="list-style-type: none"> • A Round Port: 30 • B Oval Port: 65 ▶ Adaptors: 8 x LC /4 x SC 	

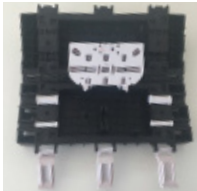
1.2.2. Distribution Point / Box

Code	Description	Image
DP-01	<ul style="list-style-type: none"> ▶ Dimensions: 210mm (L) x 174mm (W) x 74mm (H) ▶ IP rating: IP54 ▶ Locking Mechanism: Plastic clip and bespoke lock and key ▶ Cable ports: entry: 1 (max. diameter 11.5mm); exit: 4 (max. diameter 3mm) ▶ Adapter capacity: 4 SC adapter ▶ Key Feature: Distribution Point from FTTH Access Network to customer's premises 	
DP-02	<ul style="list-style-type: none"> ▶ Dimensions: 242mm (L) x 165mm (W) x 93mm (H) ▶ IP rating: IP54 ▶ Locking Mechanism: Plastic clip and bespoke lock and key ▶ Cable ports: Entry: 2 (max. diameter 10.5mm); exit 8 (max. diameter 3mm) ▶ Adapter capacity: 4 SC adapter ▶ Key Feature: Distribution Point from FTTH Access Network to customer's premises 	
DP-03	<ul style="list-style-type: none"> ▶ Dimensions: 12f: 258mm (L) x 207mm (W) x 64mm (H) 24f: 260mm (L) x 195mm (W) x 63.5mm (H) ▶ IP rating: IP54 ▶ Locking Mechanism: Plastic clip and bespoke lock and key ▶ Cable ports: 12f: entry: 2 (max. diameter 12mm); exit: 12 (max. diameter 3mm) 24f: entry: 2 (max. diameter 15mm); exit: 16 (max. diameter 3mm) ▶ Adapter capacity: 12f: 8 SC; 24f: 12 SC ▶ Key Feature: Distribution Point from FTTH Access Network to customer's premises 	

1.2.3. Termination Box

Code	Description	Image
TERM-008	<p>6f / 12f Termination Box</p> <ul style="list-style-type: none"> ▶ Dimensions: 183mm x 169mm x 19mm ▶ IP Rating: IP54 (sealing: mechanical) ▶ Capacity: 6 splices / 12 splices 	
TERM-X12	<p>12f Termination Box</p> <ul style="list-style-type: none"> ▶ Dimensions: 258mm x 207mm x 64mm ▶ IP Rating: IP65 (outdoor use) ▶ Spliced Fibre Storage Capacity: 12F ▶ Cable ports: 2, main ports is for 1 loop cable or 2 cables with max Ø 12 mm 	
TERM-X24	<p>24f Termination Box</p> <ul style="list-style-type: none"> ▶ Dimensions: 335mm x 275mm x 95mm ▶ IP Rating: IP65 ▶ Cable ports: 3 inlet ports, 24 outlet ports ▶ Max. Capacity: 24F 	
TERM-X30	<p>Termination Box</p> <ul style="list-style-type: none"> ▶ Dimensions: <ul style="list-style-type: none"> • HTTP-X30A: 233mm x 204mm x 60mm • HTTP-X30B: 247mm x 204mm x 70mm ▶ IP Rating: IP54 ▶ Cable ports: 3 cable ports(for cables with max diameter 12mm) + 8 drop cable ports 	
TERM-Y04	<p>12f Termination Box</p> <ul style="list-style-type: none"> ▶ Dimensions: 210mm x 174mm x 74mm ▶ IP Rating: IP54 ▶ Cable ports: 3 cable ports(for cables up to 11.5 mm diameter) +4 drop cable ports (for drop cable up to 3 mm diameter) ▶ Spliced Fibre Storage Capacity: 12 splices 	

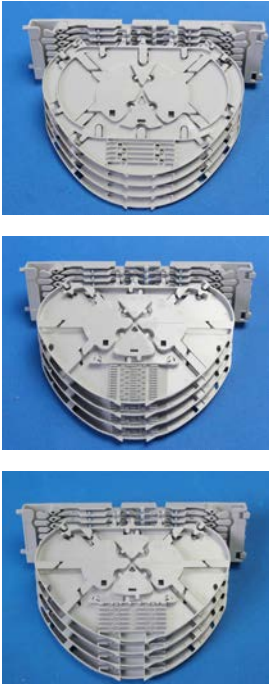
1.2.4. Inline Closure

Code	Description	Image
INL-F03	12f Fibre Optic Splice Closure	
	<ul style="list-style-type: none"> ▶ Dimensions: 200mm x 94mm x 60mm ▶ IP Rating: IP55 ▶ Spliced Fibre Storage Capacity: 12 (2 x 6 splices) ▶ Cable ports: 4 ports: 2 ports for main cable with 9.5 - 12mm, 2 ports for drop cable with 4 - 6mm. 	

1.2.5. Mechanical Sealing Kit

Code	Description	Image
MECH-001	Round Port Closing Kit <ul style="list-style-type: none"> ▶ Round Port ϕ 30 mm ▶ Up to 4 drop cables ▶ Maximum diameter of cables ϕ 9 mm 	
MECH-002	Round Port Closing Kit <ul style="list-style-type: none"> ▶ Round Port ϕ 30mm ▶ Up to 6 drop cables ▶ Maximum diameter of cables ϕ 8 mm 	
MECH-003	Round Port Closing Kit <ul style="list-style-type: none"> ▶ Round Port ϕ 30mm ▶ Up to 8 drop cables ▶ Maximum diameter of cables ϕ 6.5mm 	
MECH-004	Oval Port Closing Kit <ul style="list-style-type: none"> ▶ Up to 2 cables ▶ Maximum diameter of cables ϕ 9 mm 	
MECH-005	Oval Port Closing Kit <ul style="list-style-type: none"> ▶ Up to 2 cables ▶ Maximum diameter of cables ϕ 22 mm 	

1.2.6. Closure Accessories

Code	Description	Image
TRAY-001	<p>Splice Tray</p> <p>Our Splice Tray comprises the core of the Fibre Management System. Building blocks for the FMS allow the engineer to route fibres with ease.</p> <p>Splice Trays consist of two parts:</p> <ul style="list-style-type: none"> ▶ Single Element / Circuit Organiser trays for FMS ▶ Wraparound groove plate <p>Splice Tray Functionality:</p> <ul style="list-style-type: none"> ▶ Single Element : Fibres spliced can be managed as per cable layout ▶ Single Circuit : Fibres spliced can be managed in a single fibre layout <p>Features:</p> <ul style="list-style-type: none"> ▶ Total FMS for the tray range ▶ Fibres are restrained within the organiser ▶ Minimum bending radius of fibres are fully controlled ▶ Fibres are physically protected ▶ Applicable to most splice types ▶ Loop-back facility for uncut fibres 	

1.2.6. Closure Accessories

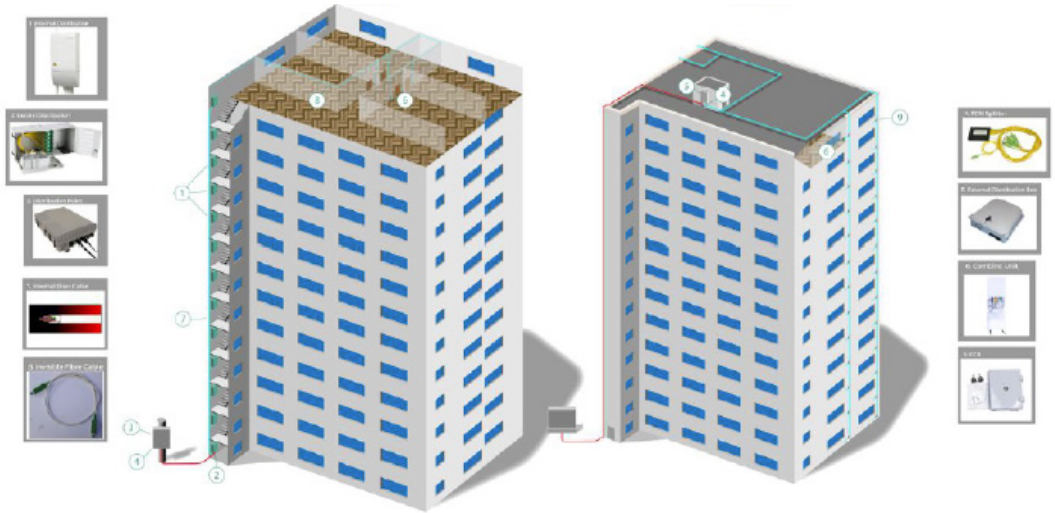
Code	Description	Image
DEX-SPL-B-14	<p>Optical Splitter - 1:4 - Bare Fibre</p> <ul style="list-style-type: none"> ▶ 1:4 Mini Mode Optical Splitter ▶ Input 1m x 0.9mm white tight buffer (non-connectorised) ▶ Output 1m x 0.90mm white loose tube (non-connectorised) 	
DEX-SPL-B-18	<p>Optical Splitter - 1:8 - Bare Fibre</p> <ul style="list-style-type: none"> ▶ 1:8 Mini Mode Optical Splitter ▶ Input 1m x 0.9mm white tight buffer (non-connectorised) ▶ Output 1m x 0.90mm white loose tube (non-connectorised) 	
DEX-SPL-B-132	<p>Optical Splitter - 1:32 - Bare Fibre</p> <ul style="list-style-type: none"> ▶ 1:32 Mini Mode Optical Splitter ▶ Input 1m x 0.9mm white tight buffer (non-connectorised) ▶ Output 1m x 0.90mm white loose tube (non-connectorised) 	
DEX-SPL-C-14	<p>Optical Splitter - 1:4 - Connectorised (SC/APC)</p> <ul style="list-style-type: none"> ▶ 1:4 Mini Mode Optical Splitter ▶ Input 1m x 0.9mm white tight buffer SC/APC ▶ Output 1m x 0.9mm white loose tube SC/APC 	
DEX-SPL-C-18	<p>Optical Splitter - 1:8 - Connectorised (SC/APC)</p> <ul style="list-style-type: none"> ▶ 1:8 Mini Mode Optical Splitter ▶ Input 1m x 0.9mm white tight buffer SC/APC ▶ Output 1m x 0.9mm white loose tube SC/APC 	
DEX-SPL-C-132	<p>Optical Splitter - 1:32 - Connectorised (SC/APC)</p> <ul style="list-style-type: none"> ▶ 1:32 Mini Mode Optical Splitter ▶ Input 1m x 0.9mm white tight buffer SC/APC ▶ Output 1m x 0.9mm white loose tube SC/APC 	

1.2.7. Outside Plant Cabinets

Code	Description	Image
HDI	High Density Cabinet	

1.3 Multi Dwelling Unit

Flexible and adaptable termination and distribution boxes along with supporting cables and accessories



Application




- Multi-dwelling units of varying densities




Features and Benefits

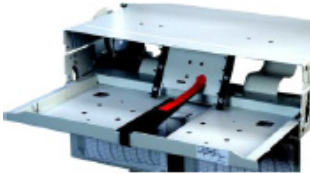
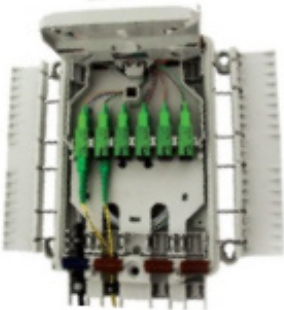
- Comprehensive range of adaptable product solutions to suit all deployment scenarios

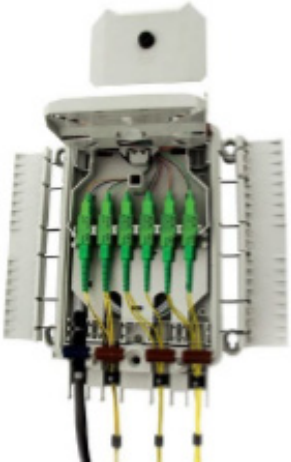
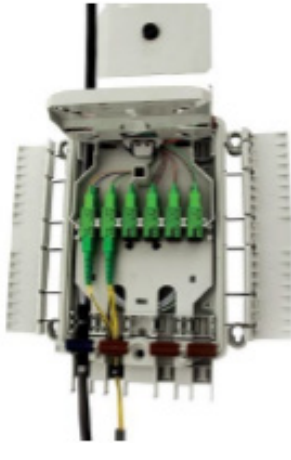

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Code	Item Description	Description	Image
Internal Closures			
1.1	12 Port Internal DP no splice	<ul style="list-style-type: none"> • 12 x SC/APC Couplers Incoming pre terminated cable is inserted into couplers • Dimensions 340(H)*250(W)*110(D)mm • Cable Compatibility Wide range of cables including incoming blown fibre pre terminated, internal distribution cable, riser cable and single drop cable • Mounting directly to internal wall • IP Rating IP54, colour grey; flame retardant also possible 	
1.2	12 Port Internal DP with splicing capability	<ul style="list-style-type: none"> • 12 x SC/APC Couplers incoming cable is spliced onto 12 x SC/APC pigtaills, colour coded to TIA 598 <i>NOTE: Optical splitters also an option</i> • Dimensions 340(H)*250(W)*110(D)mm • Cable Compatibility Wide range of cables including incoming blown fibre pre terminated, internal distribution cable, riser cable and single drop cable • Mounting directly to internal wall • IP Rating IP54, colour grey; flame retardant also possible 	
1.3	24 Port Internal DP	<ul style="list-style-type: none"> • 24 x SC/APC Couplers incoming pre terminated cable is inserted into couplers • Dimensions 340(H)*250(W)*110(D)mm • Cable Compatibility Wide range of cables including incoming blown fibre pre terminated, internal distribution cable, riser cable and single drop cable • Cable Ports accepts 3x distribution cables & 2x feeder cables • Mounting directly to internal wall • IP Rating IP54, colour grey; flame retardant also possible 	

Code	Item Description	Description	Image
Internal Closures			
1.4	48 Port Internal DP equipped with 2 x 1:3 2 optical splitters	<ul style="list-style-type: none"> • 48 x SC/APC Couplers incoming pre terminated cable is inserted into couplers, also houses 2x1:32 optical splitters terminated with SC/APC connectors • Dimensions 420(H)*320(W)*130(D)mm • Cable Compatibility Wide range of cables including incoming blown fibre pre terminated, internal distribution cable, riser cable and single drop cable • Cable Ports accepts 6x distribution cables (OD 2mm) and 2x feeder cables (12f fibre blown fibre feeder cable deployed in a LSOH sub duct, OD ~5.3mm) • Mounting directly to internal wall • IP Rating IP54, colour grey; flame retardant also possible 	
1.5	12 Port Internal DP equipped with 2 x 1:4 optical splitters and splicing capability	<ul style="list-style-type: none"> • 12 x SC/APC Couplers incoming cable is spliced on to 3x 1:4 optical splitters and capacity for up to three fibre splices • Dimensions 340(H)* 250(W)*110(D)mm • Cable Compatibility Wide range of cables including incoming blown fibre pre terminated, internal distribution cable, riser cable and single drop cable • Mounting directly to internal wall • IP Rating IP54, colour grey; flame retardant also possible 	
1.6	Internal 3 x 1:8 Splitter Closure with splice capability	<ul style="list-style-type: none"> • Splicing incoming cable is spliced onto 3 x 1:8 optical splitters. Splice trays have splitter integrated into them for a total of 4x12 fibre splice trays • Dimensions 420(H)*320(W)*130(D)mm • Cable Compatibility 4x24f cables, typical cable 900 micron fibre extractable cable with an internal cable rating • Mounting directly to internal wall • IP Rating IP54, colour grey; flame retardant also possible 	

Code	Item Description	Description	Image
Internal Closures			
1.7	60 Port ODF Patch Panel	<ul style="list-style-type: none"> • 60 x SC/APC Couplers spread across 5x12 port shelves, equipped with 5x12f splice trays and 5x12f SC/APC pigtails, achieved via compact cassette design • Dimensions 4RU • Feeder cable 12x900um extractable cable • Distribution cable up to 60x robust distribution cable • IP Rating IP54, colour grey; flame retardant also possible 	
External Closures			
2.1	4 Port External DP wall mounted closure	<ul style="list-style-type: none"> • 4 x SC/APC couplers terminating a 4f pre terminated external feeder cable and coupling this internally with up to 4 x SC/APC drop cables that are terminated in the field with SC/APC connectors • Dimensions 240(H)*155(W)*65(D)mm • Cable Compatibility Robust, colour coded grommets compatible with wide range of cables; feeder cable is UV rated for unprotected use on external walls (OD = 5.6mm) • IP Rating IP68 (suitable for underground / aerial use) • Mounting directly onto external wall through screw fixings • Colour Options White or Black • Mechanical Restraint included for external cable drop and feeder cables entering the 4 and 6 port external closures 	

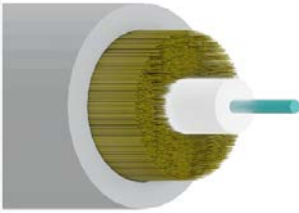
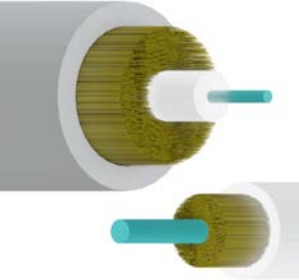
Code	Item Description	Description	Image
External Closures			
2.2	8 - 12 Port External DP wall mounted closure	<ul style="list-style-type: none"> • 12 x SC/APC couplers terminating up to 12f pre terminated external feeder cable and coupling this internally with up to 12 x SC/APC drop cables terminated in the field with SC/APC connectors Note: 8 and 10 port options also possible • Dimensions 240(H) * 155(W) * 65 (D)mm • Cable Compatibility Robust, colour coded grommets compatible with wide range of cables; feeder cable is UV rated for unprotected use on external walls (OD = 5.6mm) • IP Rating IP68 (suitable for underground / aerial use) • Mounting directly onto external wall through screw fixings • Colour Options White or Black • Mechanical Restraint included for external cable drop and 	
2.3	4 Port External Closure for external facade solution	<ul style="list-style-type: none"> • 4 x SC/APC couplers splicing capacity included to splice a 12f extractable cable (12x 900um) to pigtails that are terminated onto 4x SC/APC couplers; up to 4x SC/APC drop cables terminated in the field with SC/APC connectors • Dimensions 240 (H) * 155 (W) * 65 (D)mm • Cable Compatibility Robust, colour coded grommets compatible with wide range of cables; feeder cable is UV rated for unprotected use on external walls (OD = 5.6mm) • IP Rating IP68 (suitable for underground / aerial use) • Mounting directly onto external wall through screw fixings • Colour Options White or Black • Mechanical Restraint included for external cable drop and feeder cables entering the 4 and 6 port external closures 	
2.4	Cable Restraint Plates for 4 Port and 12 Port external closures (Ref: 2.1, 2.2) and 4 Port facade closure (Ref: 2.3)	Provides mechanical restraint for external cable drop and feeder cables entering the 4 and 6 port external closures. Included in the items above	

Code	Item Description	Description	Image
External Distribution Cables			
3.1	<p>Fixed Length 50m 4f Blown Fibre Distribution Cable UV rated for external use, terminated on one end with 4 x SC/APC connectors; required for 2.1</p>	<ul style="list-style-type: none"> • Arrangement 4x SC/APC connectors pre terminated to cable; breakout length 500mm; fanout diameter 900um; colour coded to TIA 598 and labelled by fibre number • Application Suitable for pulling by hand for section between the underground access chamber and external wall mounted closure; the cable section between the access chamber and the D side aggregation node may be blown in • Specifications UV resistant; water resistant; OD approx. 5.5mm; tensile strength 400N; crush resistance 1000N/10cm 	
3.2	<p>Fixed Length 50m 12f Blown Fibre Distribution Cable UV rated for external use, terminated on one end with 4 x SC/APC connectors; required for 2.2</p>	<ul style="list-style-type: none"> • Arrangement 12x SC/APC connectors pre terminated to cable; breakout length 500mm; fanout diameter 900um; colour coded to TIA 598 and labelled by fibre number • Application Suitable for pulling by hand for section between the underground access chamber and external wall mounted closure; the cable section between the access chamber and the D side aggregation node may be blown in • Specifications UV resistant; water resistant; OD approx. 5.5mm; tensile strength 400N; crush resistance 1000N/10cm 	
3.3	<p>12f External Facade Distribution Cable unterminated, 500 meter drum</p>	<ul style="list-style-type: none"> • Description Robust 10mm outer diameter external 12f facade distribution cable, extractable 900um fibres • Compatibility aerial façade closure compatible; UV rated; cable can be window cut to extract 900um fibres and splice onto distribution fibres 	
Internal 16F Feeder Cable - Riser Replacement			
4.1	<p>Internal 16f Feeder Cable rated for riser placement, extractable 900 micron fibre</p>	<ul style="list-style-type: none"> • Application Robust 10mm outer diameter internal cable suitable for deployment in a riser, with extractable 900um fibres; cable is also suitable for placement in an underground car park environment under containment. • Specifications CPR B2ca s1a d0 a1 flame retardant material characteristics, 10mm outer diameter, 1mm FRP diameter x 2, Loose buffer 0.9mm 	





Code	Item Description	Description	Image
Apartment Entry Closure			
5.1	Single Port Apartment Entry Closure	<ul style="list-style-type: none"> • Arrangement equipped with 1x SC/APC coupler, this is a demarcation connection point between distribution and drop fibre • Application single port apartment entry closure suitable for window cut of 12f extractable distribution cable (OD ~2mm); supports the termination of a single distribution fibre and drop fibre with standard field install connectors • Capacity stores up to 2 metres of distribution cable and up to 0.5 metres of drop cable (OD between 900um and 3mm) 	
Internal Distribution/ Feeder Cable			
6.1	12f Distribution Cable unterminated	<ul style="list-style-type: none"> • Arrangement compact 2mm surface mounted internal 12f cable usable as a distribution/ feeder cable with 12x extractable 250 micron fibres • Rating for internal use on an internal wall or riser with a suitable conduit/sub duct for mechanical protection • Fixing accompanied by discrete, strong, unobtrusive, re-enterable wall mounting solution • Specifications drum length: 500m (others possible); outer diameter: 2mm; CPR rating: B2ca s1a d0 a1 	
6.2	Fixed Length 12f Distribution Cable terminated on one end with 12 x SC/APC connectors Available in: 50m - 75m - 100m - 125m - 150m - 175m - 200m - 225m (Or any other length required by the Operator)	<ul style="list-style-type: none"> • Arrangement compact 2mm surface mounted internal 12f cable usable as a distribution/feeder cable with extractable 250 micron fibres; one end of cable fans out to 12x SC/APC connectors • Fanout Details fanout length: 12x500mm; fanout diameter 12x900um; fanout material rugged hytel with excellent mechanical characteristics; manifold material: rugged flexible breakout manifold • Rating for internal use on an internal wall or in a riser with a suitable conduit/sub duct for mechanical protection • Fixing accompanied by discrete, strong, unobtrusive, re-enterable wall mounting solution • Specifications outer diameter: 2mm • CPR rating B2ca s1a d0 a1 	

Code	Item Description	Description	Image
Internal Distribution/ Feeder Cable			
6.3	8f Distribution Cable unterminated	<ul style="list-style-type: none"> Arrangement compact 2mm surface mounted internal 12f cable usable as a distribution/feeder cable with 12x extractable 250 micron fibres Rating for internal use on an internal wall or riser with a suitable conduit/sub duct for mechanical protection Fixing accompanied by discrete, strong, unobtrusive, re-enterable wall mounting solution Specifications drum length: 500m (others possible); outer diameter: 2mm; CPR rating: B2ca s1a d0 al 	
6.4-6.9	Fixed Length 8f Distribution Cable terminated on one end with 12 x SC/ APC connectors Available in: 75m - 100m - 125m - 150m - 175m - 200m (Or any other length required by the Operator)	<ul style="list-style-type: none"> Arrangement compact 2mm surface mounted internal 8f cable usable as a distribution/feeder cable with extractable 250 micron fibres; one end of cable fans out to 8x SC/APC connectors Fanout Details fanout length: 12x500mm; fanout diameter 12x900um; fanout material rugged hytel with excellent mechanical characteristics; manifold material: rugged flexible breakout manifold Rating for internal use on an internal wall or in a riser with a suitable conduit/sub duct for mechanical protection Fixing accompanied by discrete, strong, unobtrusive, re-enterable wall mounting solution Specifications outer diameter: 2mm CPR rating B2ca s1a d0 al 	
Distribution Cable Attachment Trunking			
7.1	Materials per Meter for attaching the surface mountable distribution cable to an internal wall	Unobtrusive, strong, flexible conduit solution that securely and discretely attaches and manages cable along above to an internal corridor or stairwell wall	
7.2	Materials per Meter for internal wall trunking solution for running multiple distribution cables in parallel	Unobtrusive, strong, flexible conduit solution that securely and discretely attaches and manages cable along above to an internal corridor or stairwell wall	

Code	Item Description	Description	Image
Network Termination			
8.1	Back Box in Apartment at termination point of sub duct/ ruggedized drop cable, before an NTU is provided	Universal 2 gang way socket box to be placed within dwelling by developer	
Field Installation Connectors			
9.1	Apartment Entry Closure Field Install Connectors for distribution/ drop fibres	<ul style="list-style-type: none"> Description universal field install connectors, suitable for the entry closure, distribution and drop cables in terms of physical, mechanical and optical characteristics 2 Types of FIC's Offered: <ul style="list-style-type: none"> Option A - universal for all cables Option B - short boot compact type that fits into point of entry closure Option B - Short Boot short boot compact type that fits into point of entry closure. Purpose: ensures minimised footprint of Entry Closure (EC) 	
9.2	Customer Termination Unit Field Install Connectors for distribution/ drop fibres	<ul style="list-style-type: none"> Description universal field install connectors, suitable for the entry closure, distribution and drop cables in terms of physical, mechanical and optical characteristics 2 Types of FIC's Offered: <ul style="list-style-type: none"> Option A - universal for all cables Option B - short boot compact type that fits into point of entry closure Option A - Universal for all cables 	
Drop Cable			
10.1	1f Unterminated Pushable Drop Cable 3x2mm	<ul style="list-style-type: none"> Arrangement flat 3x2mm 1f internal drop cable, can be pushed through a suitable internal sub duct Construction contains up to 4 fibres in same construction; available pre connectorised with SC/APC connector if required; ferrule can be pushed through conduit and connector face can be built after installation Length standard drums of 500m Note : other lengths available, depending on requirement Specifications fibre type: G657A2; other fibre types available on request CPR rating B2ca sia d0 a1 	

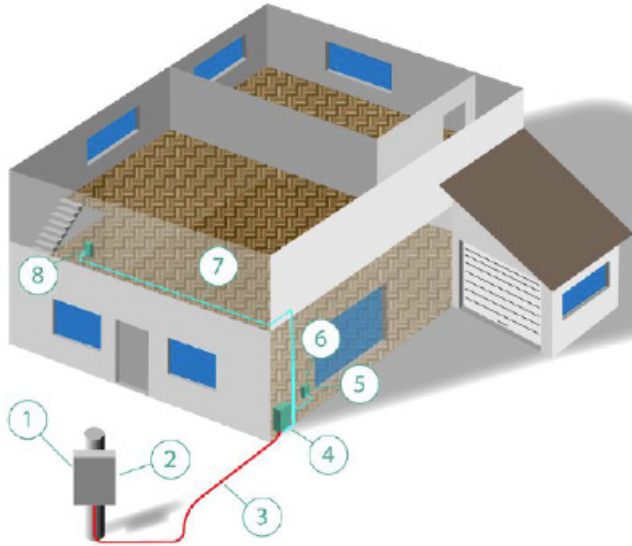
Code	Item Description	Description	Image
Drop Cable			
10.2	If Robust Drop Cable run from a centralised ODF in a comms room to each apartment	<ul style="list-style-type: none"> • Arrangement round 4mm If internal drop cable contained during the construction of the MDU similar to the practice with CAT6 cabling heretofore • Construction Capable of containing up to 4 fibres in same construction; available pre connectorised with SC/APC connector if required; ferrule can be pushed through conduit and connector face can be built after installation • Versatility this cable is strong / lightweight and can be secured to various surfaces through cable ties, if required; it is flexible and capable of being used by installers with varying skills levels • Length standard drums of 500m Note: other lengths available, depending on requirement • Specifications fibre type: G657A2; other fibre types available on request; • CPR rating B2ca s1a d0 a1 	
11.1	If Underminated Drop Cable compatible with entry closure (EC) and distribution cable solution	<ul style="list-style-type: none"> • Arrangement round 900um If discrete drop cable to complement the discrete wall mounted 8f and 12f distribution cables deployed in corridors of the MDU; also available in 3mm • Construction available pre connectorized with SC/APC connector if required • Fixing compatible with discrete surface mounted fixing solution 7.1 / 7.2 • Length standard drums of 500m Note: other lengths available, depending on requirement • Specifications fibre type: G657A2; other fibre types available on request; CPR rating B2ca s1a d0 a1. 2 options available: Option 1 - 900um outer diameter Option 2 - 3mm outer diameter 	

Code	Item Description	Description	Image
Drop Cable Attachment Trunking			
12.1	Materials per Meter for attaching the pushable drop cable to an internal wall	Unobtrusive, strong, flexible conduit solution that securely and discretely attaches and manages cable along above to an internal corridor or stairwell wall; fully integrates into entry closure (EC)	
12.2	Materials per Meter for attaching drop cable (compatible with EC solution) to an internal wall	Unobtrusive, strong, flexible conduit solution that securely and discretely attaches and manages cable along above to an internal corridor or stairwell wall; fully integrates into entry closure (EC)	
Network Termination Unit			
13.1	Single Port NTU with SC/APC coupler used to couple a drop lead with a FIC to an NTU patch lead	Single port NTU with SC/APC coupler used to couple a drop lead with a FIC to an NTU patch lead	
Sub-Ducting			
14.1	Containment for xx/06mm Sub duct protect / maintain drop cables in GF developments	N/A	
15.1	8/06mm LSZH Sub-duct	LSZH microducts , each with low friction performance are suitable for fibre blowing. The LSZH microduct is surrounded with a sheath of LSZH material, giving excellent performance in a fire. The lightweight, metal free, flexible LSZH microduct is intended for indoor installation.	 1 way
15.2	10/06mm LSZH Sub-duct	LSZH microducts , each with low friction performance are suitable for fibre blowing. The LSZH microduct is surrounded with a sheath of LSZH material, giving excellent performance in a fire. The lightweight, metal free, flexible LSZH microduct is intended for indoor installation.	 1 way
15.3	xx/06mm Internal Bend Management Fitting	N/A	

Code	Item Description	Description	Image
Sub-Ducting			
15.4	10/08mm LSZH Sub-duct	LSZH microducts , each with low friction performance are suitable for fiber blowing. The LSZH microduct is surrounded with a sheath of LSZH material, giving excellent performance in a fire. The lightweight, metal free, flexible LSZH microduct is intended for indoor installation.	 1 way
15.5	10mm Internal LSZH Couplers	The end cap for permanent or temporarily sealing of unused microducts to prevent obstacles such as water, mud, dust and so on. The body is transparent for easy fault location and fix the problem easily during installation.	
15.6	10mm Internal LSZH Gas Blocks for DP feeders	The Reducer Gas block connectors have integrated functions of Reducer and Gas block connectors in one connector. It is designed to connect two different sized tubes and block gas and water at the same time.	
15.7	8mm LSZH Gas Blocks for xx/06 subducts between apartment NTU and riser floor box	The Reducer Gas block connectors have integrated functions of Reducer and Gas block connectors in one connector. It is designed to connect two different sized tubes and block gas and water at the same time.	
15.8	10/08mm Internal Bend Management Fitting	N/A	

1.4 Single Dwelling Unit

Complete range of connectivity solutions within Residential units



Application

- Residential units

Features and Benefits

- Complete connectivity range and accessories tailored to end user requirements

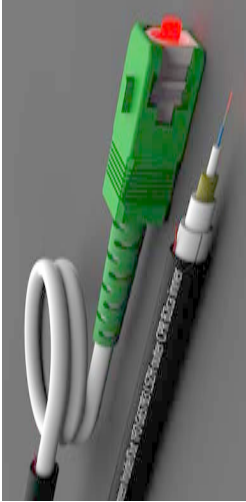

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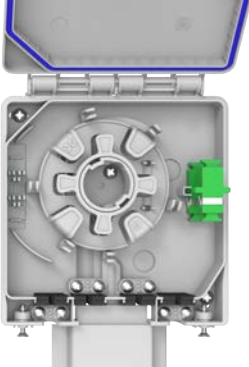
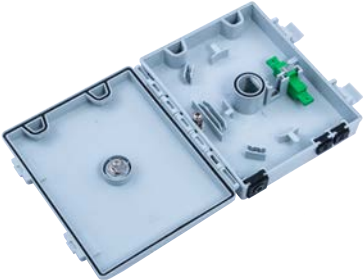
1.4.1 Optical Distribution Point

Code	Description	Image
DEX-ODP	<p>Optical Distribution Point (ODP)</p> <p>Designed with 2 distinct areas for independent storage of the feeder cable's fibers and of the drop cables.</p> <p>Splicing of the feeder cable with the splitter or the pigtails is organized at the front of the tray with a cover which can be secured with screws to limit access.</p> <ul style="list-style-type: none"> ·Connection of the pre-connectorised drops to the pigtails is achieved at the front directly in the vertical position plate hosting up to 8 SC adapters. 	

1.4.2. Optical Fibre Cable

Code	Description	Image
<p>100627 100628 100629 100630 100631</p>	<p>Inside/ Outside Cable</p> <p>Dexgreen's indoor/outdoor cable is designed to withstand harsh outdoor environments, while also being suitable for installation indoors where compliance with fire ratings is essential</p> <p>The cable facilitates quick and efficient connection between the External Fibre Demarcation Box (where it is spliced) and the Internal Terminal equipment within the customers premises (where it is connected through a factory-tested SC/APC connector)</p> <p>Water-blocking tape between the outer and inner sheathing and the inner sheathing has Kevlar to facilitate direct tacking to the wall with no deterioration in optical performance</p> <p>Fibre type is bending insensitive G657B3, therefore it can go through sharp corners</p>	
<p>Patch Cords</p>	<p>Optical Fibre Patch Cord</p> <ul style="list-style-type: none"> • pre-connectorised on both ends • Multiple lengths 	

1.4.3. External Termination Box

Code	Description	Image
CSP-01	<p>Demarcation Box</p> <p>The new demarcation box is an innovative design enabling greater flexibility within our FTTP network. Primarily used for providing a spliced demarcation point between the external network and customers internal fibre cabling, the box also has the following key features: Designed to fit in place of existing cover 101, accommodates copper crimps without breaking down service, position for 2x SC (simplex) or 4x LC (duplex) enabling test capability, provision for a reflector for future commissioning capability, compatible with legacy BF network installations.</p>	
ECB-01	<p>External Terminating Unit</p> <p>Dimensions: 150mm (L) x 120mm (W) x 37mm (H) IP rating: IP56 (outdoor, aerial use) Locking Mechanism: mechanical latches and bespoke lock for security Cable ports: Entry: 1; exit: 2 Slack storage capacity: store surplus drop cable Material: PC-ABS (Polycarbonate) Fixing mechanism: directly on to the wall Sealing mechanism: cable entry / exit points sealed through rubber gaskets. Key Features: Termination point for the feeder cable to the customer premises to connect with drop cable in the FTTH network. Enables the operator to test back to the distribution point; all-in-one unit clamping for feeder cable and drop cable, fiber splicing, fixation, storage, distribution.</p>	



1.4.4 Internal Termination

Code	Description	Image
CTB-01	<p>Customer Terminal Box (CTB)</p> <p>Manages from one to four fibres. Storage on two independent levels for sheathed and bare fibres ensures a robust mechanical protection of internal splices for ongoing maintenance Available with pre-connectorised cable for fast installation within the customer's premises</p>	
NTU-001	<p>Combined NTU/ONT</p> <p>Combines the NTU and ONT within the customer's premises, therefore minimising footprint occupied and reducing chance of faults</p> <p>Multiple installation options possible, for example – cable can be entered from multiple directions and unit compatible with range of ONT's</p> <p>Unit can be securely opened and closed by hand through innovative plastic latch mechanism</p>	
WB-01	<p>FTTH box - 86mm x 86mm</p> <p>Dimensions: 86mm (L) x 86mm (W) x 20mm (H)</p> <p>Locking mechanism: Plastic clip</p> <p>Capacity: 2 splices and place them in designated areas</p> <p>Cable entry ports: 2</p> <p>Adapter capacity: 2</p>	
WB-02	<p>FTTH box - 4 port</p> <p>Dimensions: 110mm (L) x 80mm (W) x 32mm (H)</p> <p>Locking mechanism: Plastic clip</p> <p>Capacity: 4 splices and place them in designated areas</p> <p>Cable entry ports: 3</p> <p>Adapter capacity: 4</p>	
WB-03	<p>FWO - Fibre Wall Outlet</p> <p>Dimensions: 115mm (L) x 73mm (W) x 18mm (H)</p> <p>Locking mechanism: Plastic clip</p> <p>Capacity: 4 splices and place them in designated areas</p> <p>Cable entry ports: multiple (including rear of unit)</p> <p>Adapter capacity: 1</p>	

1.4.4 Internal Termination

Code	Description	Image
WB-04	<p>165mm x 90mm – clip locking Dimensions: 130mm (L) x 84mm (W) x 24mm (H) Locking mechanism: Plastic clip Capacity: 4 splices and place them in designated areas Cable entry ports: multiple Adapter capacity: 2</p>	
WB-05	<p>106mm x 83mm (clip / screw locking) Dimensions: 106mm (L) x 83mm (W) x 23mm (H) Locking mechanism: Plastic clip or Secure Screw-locking with cover Capacity: 4 splices and place them in designated areas Cable entry ports: 6 (bottom: 4; top: 1; rear: 1) Adapter capacity: 2</p>	
WB-06	<p>Optical termination box Dimensions: 90mm (L) x 82mm (W) x 32mm (H) Locking mechanism: Plastic clip Capacity: 4 splices Cable entry ports: 6 (bottom: 4; top: 1; rear: 1) Adapter capacity: up to 4</p>	
WB-07	<p>FTTH wall box – Clear base Dimensions: 116mm (L) x 86mm (W) x 23mm (H) Locking mechanism: Plastic clip Capacity: 4 splices and place them in designated areas Cable entry ports: multiple (including rear of unit) Adapter capacity: 1</p>	
WB-08	<p>FTTH wall box Dimensions: 100mm (L) x 80mm (W) x 20mm (H) Locking mechanism: Plastic clip Capacity: Tray for additional slack storage capacity Cable entry ports: 6 (bottom: 4; top: 1; rear: 1) Adapter capacity: up to 4</p>	

1.4.5 Fibre Optic Field Installation Connector

Code	Description	Image
FIC-SCAPC	<p>SC/APC Field Installation Connector</p> <ul style="list-style-type: none"> Multiple types available, for example: Field Installation Connector, Mechanical Splice Connector, Splice on Connector, Pre-connectorised cable Full range of operator training supports provided Optical performance tested according to international standards and testing 	
FIC-FCUPC	<p>FC/UPC Field Installation Connector</p> <ul style="list-style-type: none"> Multiple types available, for example: Field Installation Connector, Mechanical Splice Connector, Splice on Connector, Pre-connectorised cable Full range of operator training supports provided Optical performance tested according to international standards and testing 	

1.5 Splicing Equipment



Overview

- Range of splicing machines of varying alignment technologies
- Cleavers available in a range of options
- Splice on connectors with multiple connectivity types and configurations

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1.5.1 Splicing

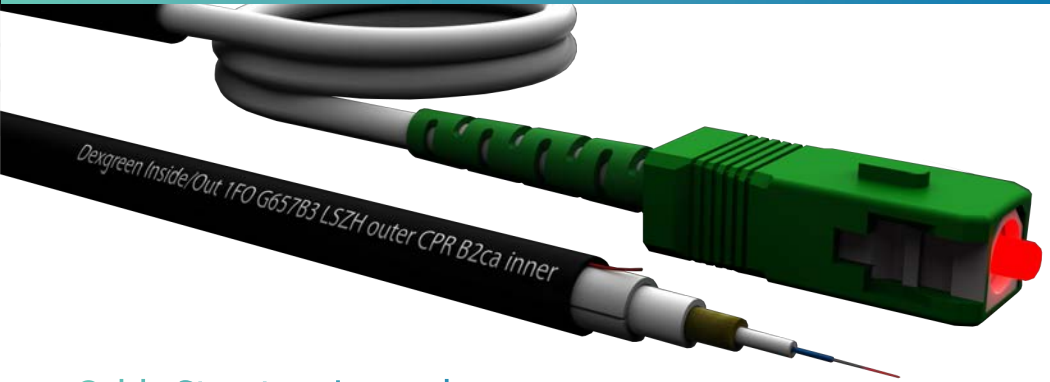
Code	Description	Image
DAA-01	<p>Mini 22A Digital Active Alignment Splicing</p> <ul style="list-style-type: none"> Active Alignment DAA(Digitalized Active Alignment) Average Loss:SM(0.02dB) / MM(0.01dB) / DS(0.05dB) / NZDS(0.05dB) / G.657(0.02dB) Return Loss: >>60DB Splice Time: 9s average SM / SM 7s Quick mode Heating Time: Typical 18s Included : A/C Charger, 1x Spare electrode, 2x Battery pack, Carrying case, 1x Mini50GB cleaver 	
DAA-02	<p>Mini 4S+ Digital Active Alignment Splicing</p> <ul style="list-style-type: none"> Active alignment splicer: 4 motors 122x124x112mm (1,306g w/o battery) Fast splicing time: 7s with single mode fibre (quick mode); 16s heating time Included : A/C Charger, 1x Spare electrode, 2x Battery pack, Carrying case, 1x Mini50GB cleaver 	
Core-01	<p>Mini 5C Core Alignment Splicing</p> <ul style="list-style-type: none"> Core Alignment Splicer w/ Fixed Focus Size: 4.8 x 4.88 x 5.4 (in) Weight: 2.88lbs. (w/o battery) Fastest Splicing Time 7 sec with single mode fiber (quick mode) 16 sec Heating time * 9 sec with continuous heating mode Comes with 2 Battery Packs Full Touch Screen SOC Compatible 	
Core-02	<p>Mini6S+ Core Alignment splicing</p> <ul style="list-style-type: none"> The Smallest and Most Rugged Core Alignment Splicer Core Alignment Fusion Splicer with 6 motors 900um/250um holder included!! Size: 4.8 x 4.88 x 5.4 (in) Weight: 3.06 lbs. (w/o battery) Fastest Splicing Time 7 sec with single mode fiber 16 sec Heating time * 9 sec with continuous heating mode Comes with 2 Battery Packs Full Touch Screen SOC Compatible and Includes 	

1.5.1 Splicing

Code	Description	Image
Ribbon-01	<p>Mini12R Ribbon Splicing</p> <ul style="list-style-type: none"> • Size: 4.8 x 4.88 x 5.4 (in) • Weight: 2.77lbs. (w/o battery) • Fastest Splicing Time • 15 sec with single mode fiber • 20 sec Heating time • * 9 sec with continuous heating mode • Comes with 2 Battery Packs • Full Touch Screen • MPO SOC Compatible 	
Cleaver-01	<p>Fibre Optic Cleaver - Mini 50GB</p> <ul style="list-style-type: none"> • Universal holder: 250µm, 900µm, 2-3Ø, indoor • 94x53x79mm (248g) • Life of blade: 50,000 times (≤0.5) • Robust & shock resistant • Chip collector 	
Cleaver-02	<p>Mini50GB+ Cleaver</p> <ul style="list-style-type: none"> • Type: Single Fiber • Applicable Fiber: 250um, 900um, Ø2mm, Ø3mm, Drop Cable • Clad Diameter: 80-125um • Length: 8-20mm(single fiber) • Cleaving Angle: ≤ 0.5° • Lifespan of Blade: 48,000 times • Operation Step: 2 steps / Auto Pushback Slider Block • Holder: Universal Holder Collector Auto Collector: (50GB) 	
Cleaver-03	<p>Mini50A Cleaver</p> <p>One Click Cleaver for fast and efficient installation</p>	
SOC-SCAPC	<p>SPLICE ON CONNECTOR -SC/APC</p> <ul style="list-style-type: none"> • Connectorisation in RF-overlay, Cable TV backbone networks, outside plant, MDU, FTTP Cabling • Fiber to the Home (FTTH) • Central office connector replacement • Data center installations • Fiber to the Desk (FTTD) • Anywhere mechanical splice, polish type connectors, or fusion spliced pigtails are used 	
SOC-LCAPC	<p>SPLICE ON CONNECTOR -LC/APC</p> <ul style="list-style-type: none"> • Connectorisation in RF-overlay, Cable TV backbone networks, outside plant, MDU, FTTP Cabling • Fiber to the Home (FTTH) • Central office connector replacement • Data center installations • Fiber to the Desk (FTTD) • Anywhere mechanical splice, polish type connectors, or fusion spliced pigtails are used 	

1.6 Fiber Optic Cabling

Complete range of Fiber optic cabling for indoor and outdoor use.



Cable Structure Legend

Location



Outdoor



Indoor



Outdoor/ Indoor

Application



Aerial



Underground



Overhead

Application_(cont.)



Underground & Overhead



Air Blown Cable



Drop Cable

Structural



ADSS



FRP



Metal

Structural_(cont.)



Aramid Yarn

Sheath



PE Sheath



LSZH Sheath



PVC Sheath



TPU Sheath

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1.6.1 Distribution Cables

1.6.1.1 ADSS Cables

Cable Detail	Description	Structure
ADSS-01	Double Sheathing, Water blocking tape 	
ADSS-02	Single Sheathing, Aramid Yarn 	
ADSS-03	Double Sheathing, Aramid Yarn 	

1.6.1.2 Aerial Cables

Cable Detail	Description	Structure
AER-01	Figure 8 Aerial cable A1-B1-C3-D1 	
AER-02	Steel Wire Aerial cable A1-B1-C2-D1 	

1.6.1.3 Air Blowing Cables

Cable Detail	Description	Structure
ABC-01	Air Blown Cable 1 	<ul style="list-style-type: none"> Outer Sheathing Rip Cord Kevlar Loose Tube with Gel Filling Module Fiber Core
ABC-02	Air Blown Cable 2 	<ul style="list-style-type: none"> Outer Sheathing Kevlar Loose Tube with Gel Filling Module Fiber Core
ABC-03	Air Blown Cable 3 	<ul style="list-style-type: none"> Outer Sheathing Rip Cord Kevlar Loose Tube with Gel filling Fiber Core Water-blocking Tape Water-blocking Strip Strength Member Fillers

1.6.1.4 Multicore

Cable Detail	Description	Structure
MULTI-01	Multicore Cable 1 (Indoor / Outdoor) 	<ul style="list-style-type: none"> Outer Sheathing Kevlar Loose Tube with Gel Filling Module Fiber Core
MULTI-03	Stranded Loose Tube Cable non-metallic (Indoor / Outdoor) 	<ul style="list-style-type: none"> Outer Sheathing Loose Tube with Gel filling Fiber Core Water-blocking Strips Strength Member Filler
MULTI-04	Multicore Cable 2 (Indoor / Outdoor) 	<ul style="list-style-type: none"> Outer Sheathing Kevlar Filler Strength Member Module Fiber Core

1.6.1.5 Overhead/Underground

Cable Detail	Description	Structure
OHUG-01	<p>PE Jacket, Aramid Yarn, Tube</p>	<ul style="list-style-type: none"> Outer Sheathing Rip Cord Kevlar Inner Sheathing Kevlar Fiber Core
OHUG-02	<p>PE Jacket +4FRP+Microtube</p>	<ul style="list-style-type: none"> Outer Sheathing Water-blocking Tape Strength Member Kevlar Module Fiber Core
OHUG-03	<p>PE+Corrugated Steel Armored Cable</p>	<ul style="list-style-type: none"> Outer Sheathing Water-blocking Strips Module Fiber Core Strength Member Fillers
OHUG-04	<p>Unitube Non-armored Cable</p>	<ul style="list-style-type: none"> Outer Sheathing Strength member Loose Tube with Gel filling Module Fiber Core
OHUG-05	<p>Stranded Loose Tube Cable with Steel Tape</p>	<ul style="list-style-type: none"> Outer Sheathing Metal Armour Water-blocking Strips Loose Tube with Gel filling Fiber Core Steel Filler
OHUG-06	<p>Stranded Loose Tube Cable with APL</p>	<ul style="list-style-type: none"> Outer Sheathing Loose Tube with Gel filling Fiber Core Strength Member Water-blocking Strips Filler

1.6.1.5 Overhead/ Underground

Cable Detail	Description	Structure
OHUG-07	Stranded Loose Tube one-armed cable with Double Sheath 	<ul style="list-style-type: none"> Outer Sheathing Metal Armour Inner Sheathing Loose Tube with Gel filling Fiber Core Water-blocking Strips Steel Filler
OHUG-08	Stranded Loose Tube two-armed cable with Double Sheath 	<ul style="list-style-type: none"> Outer Sheathing Metal Armour Inner Sheathing Loose Tube with Gel filling Fiber Core Water-blocking Strips Steel Filler
OHUG-09	48 fibre distribution cable 	<ul style="list-style-type: none"> Outer Sheathing Water-blocking Tape Strength Member Inner Sheathing Kevlar Fiber Core
OHUG-10	Armoured Cable CST 	<ul style="list-style-type: none"> Outer Sheathing Metal Armour Kevlar Loose Tube with Gel filling Fiber Core
OHUG-11	Indoor/outdoor unitube non-metallic micro cable (JET) 	<ul style="list-style-type: none"> Outer Sheathing Kevlar Loose Tube with Gel filling Module Fiber Core
OHUG-12	Outdoor Multicore Cable Strength Member - 12 modules 	<ul style="list-style-type: none"> Outer Sheathing Rip Cord Water-blocking Tape Inner Sheathing Strength Member Module Fiber Core

1.6.1.5 Overhead/Underground


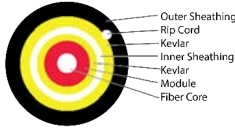

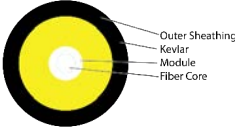

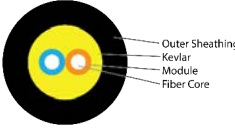

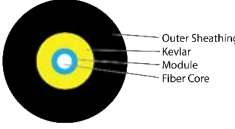

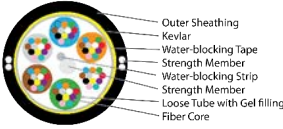

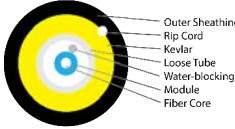
Cable Detail	Description	Structure
OHUG-13	<p>Outdoor Multicore Cable Strength Member - 12 modules</p>	<ul style="list-style-type: none"> Outer Sheathing Rip Cord Water-blocking Tape Inner Sheathing Strength Member Module Fiber Core Metal Armour
OHUG-14	<p>Micro Unit 144f</p>	<ul style="list-style-type: none"> Outer Sheathing Rip Cord Water-blocking Tape Strength Member Module Water-bloking strips Fiber Core
OHUG-15	<p>Micro Unit 432f</p>	<ul style="list-style-type: none"> Outer Sheathing Rip Cord Water-blocking Tape Strength Member Module Kevlar Water-bloking strips Fiber Core
OHUG-16	<p>Optical Ribbon Tube Cable</p>	<ul style="list-style-type: none"> Outer Sheathing Rip Cord Water-blocking Tape Water-bloking strips Inner Sheathing Steel Module Fiber Core

1.6.2 Drop Cables

1.6.2.1 Aerial Cables

Cable Detail	Description	Structure
<p>AER-DP-01</p>	<p>Flat Drop Cable 3mm x 2mm</p>	<ul style="list-style-type: none"> Outer Sheathing Strength Member Modules Fiber Core
<p>AER-DP-02</p>	<p>Fig-8 tight buffer + Aramid yarn type</p>	<ul style="list-style-type: none"> Outer Sheathing Steel Kevlar Module Fiber Core
<p>AER-DP-03</p>	<p>Flat cable - PE JACKET + FRP*2 + PBT TUBE</p>	<ul style="list-style-type: none"> Outer Sheathing Loose Tube with Gel Filling Module Fiber core Rip Cord Strength Member
<p>AER-DP-04</p>	<p>Figure 8 Aerial cable</p>	<ul style="list-style-type: none"> Outer Sheathing Steel Metal Armour Water-blocking Tape Loose Tube with Gel Filling Module Fiber Core
<p>AER-DP-05</p>	<p>Flat aerial drop cable with FRP strength member and steel wire</p>	<ul style="list-style-type: none"> Outer Sheathing Steel Strength Member Module Fiber Core

1.6.2.2 Indoor/Outdoor


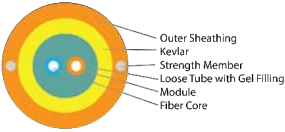



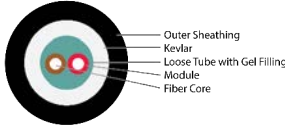

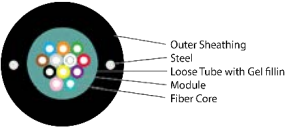
Cable Detail	Description	Structure
INDR-OD-01	<p>Double Jacket + Aramid Yarn + Tight Buffer</p> 	 <ul style="list-style-type: none"> Outer Sheathing Rip Cord Kevlar Inner Sheathing Kevlar Module Fiber Core
INDR-OD-02	<p>3.0mm TPU tight buffer aramid yarn</p> 	 <ul style="list-style-type: none"> Outer Sheathing Kevlar Module Fiber Core
INDR-OD-03	<p>TPU + Aramid Yarn + Tight buffer</p> 	 <ul style="list-style-type: none"> Outer Sheathing Kevlar Module Fiber Core
INDR-OD-04	<p>3.0mm Black LSZH Cable</p> 	 <ul style="list-style-type: none"> Outer Sheathing Kevlar Module Fiber Core
INDR-OD-05	<p>PE Jacket + 4 x FRP + Microtube</p> 	 <ul style="list-style-type: none"> Outer Sheathing Kevlar Water-blocking Tape Strength Member Water-blocking Strip Strength Member Loose Tube with Gel filling Fiber Core
INDR-OD-06	<p>LSZH + Aramid Yarn + PBT + Tight Buffer</p> 	 <ul style="list-style-type: none"> Outer Sheathing Rip Cord Kevlar Loose Tube Water-blocking Strip Module Fiber Core

Cable Detail	Description	Structure
<p>INDR-OD-07</p>	<p>Indoor Cable 3mm</p>	<ul style="list-style-type: none"> Outer Sheathing Kevlar Module Fiber Core
<p>INDR-OD-08</p>	<p>Indoor Micro Unit 12f</p>	<ul style="list-style-type: none"> Outer Sheathing Water Blocking Tape Kevlar Strength Member Module Water Blocking strips Fiber Core

1.6.2.3 Overhead/Underground

Cable Detail	Description	Structure
<p>OHUG-DP-01</p>	<p>Tube + Spiral Armored + Aramid Yarn + LSZH</p>	<ul style="list-style-type: none"> Outer Sheathing Kevlar Water-blocking Strips Steel Armour Module Fiber Core
<p>OHUG-DP-02</p>	<p>Unitube Steel armored Cable</p>	<ul style="list-style-type: none"> Outer Sheathing Metal Armour Water-blocking Tape Steel Loose Tube with Gel filling Module Fiber Core
<p>OHUG-DP-03</p>	<p>Unitube Non-metallic Micro Cable</p>	<ul style="list-style-type: none"> Outer Sheathing Kevlar Loose Tube with Gel filling Module Fiber Core

1.6.2.4 Underground

Cable Detail	Description	Structure
UG-DP-01	<p>Loose Tube Gel-filled Cable</p> 	 <ul style="list-style-type: none"> Outer Sheathing Kevlar Strength Member Loose Tube with Gel Filling Module Fiber Core
UG-DP-02	<p>PE 1 + 6 x module cable</p> 	 <ul style="list-style-type: none"> Outer Sheathing Rip Cord Kevlar Loose Tube with Gel filling Fiber Core Water-blocking Tape Water-blocking Strip Strength Member Fillers
UG-DP-03	<p>LSZH + GLASS YARN + Tube</p> 	 <ul style="list-style-type: none"> Outer Sheathing Kevlar Loose Tube with Gel Filling Module Fiber Core
UG-DP-04	<p>Unitube Non-armored Cable</p> 	 <ul style="list-style-type: none"> Outer Sheathing Steel Loose Tube with Gel filling Module Fiber Core

1.6.3 Internal Cables

1.6.3.1 Breakout

Cable Detail	Description	Structure
BO-01	<p>LSZH Jacket + Aramid Yarn + Tight Buffer</p>	<ul style="list-style-type: none"> Outer Sheathing Kevlar Module Fiber Core
BO-02	<p>LSZH + Aramid Yarn + PBT Tube</p>	<ul style="list-style-type: none"> Outer Sheathing Strength Member Kevlar Fiber Core
BO-03	<p>Jacket + Sub Unit</p>	<ul style="list-style-type: none"> Outer Sheathing Rip Cord Water-blocking Tape Inner Sheathing Kevlar Module Fiber Core Central Strength Member with inner Sheathing
BO-04	<p>Jacket + Modules x 4</p>	<ul style="list-style-type: none"> Outer Sheathing Rip Cord Water-blocking Tape Inner Sheathing Kevlar Fiber Core Strength Member
BO-05	<p>Mini breakout Cable</p>	<ul style="list-style-type: none"> Outer Sheathing Inner Sheathing Kevlar Module Fiber Core
BO-06	<p>Multi Purpose Break-out Cable PVC</p>	<ul style="list-style-type: none"> Outer Sheathing Water-blocking Tape Rip Cord Strength Member Inner Sheathing Kevlar Module Fiber Core

Cable Detail	Description	Structure
BO-07	<p>Indoor/Outdoor Breakout Cable</p>	<ul style="list-style-type: none"> Outer Sheathing Water-blocking Tape Strength Member Inner Sheathing Kevlar Fiber Core
BO-08	<p>Multi Purpose Break-out Cable</p>	<ul style="list-style-type: none"> Outer Sheathing Kevlar Strip Water-blocking Tape Strength Member Inner Sheathing Kevlar Fiber Core

1.6.3.2 Underground

Cable Detail	Description	Structure
UG-INT-01	<p>3.0mm White LSZH Cable</p>	<ul style="list-style-type: none"> Outer Sheathing Kevlar Module Fiber Core
UG-INT-02	<p>Internal flat cable LSZH</p>	<ul style="list-style-type: none"> Outer Sheathing Steel Module Fiber Core
UG-INT-03	<p>2 Fiber Duplex Indoor Cable</p>	<ul style="list-style-type: none"> Outer Sheathing Kevlar Module Fiber Core
UG-INT-04	<p>3.0mm White LSZH Cable</p>	<ul style="list-style-type: none"> Outer Sheathing Kevlar Module Fiber Core

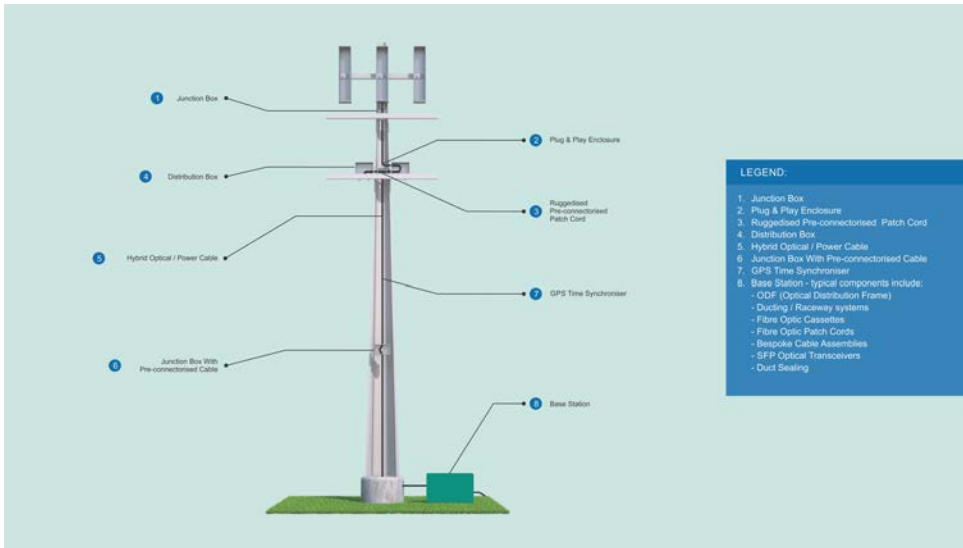
Cable Detail	Description	Structure
UG-INT-05	Indoor Simplex Fibre Cable 	<ul style="list-style-type: none"> Outer Sheathing Kevlar Module Fiber Core
UG-INT-06	Indoor Simplex Fibre Cable 	<ul style="list-style-type: none"> Outer Sheathing Kevlar Module Fiber Core
UG-INT-07	Indoor Simplex Fibre Cable 	<ul style="list-style-type: none"> Outer Sheathing Kevlar Module Fiber Core

1.6.3.3 Overhead/Underground

Cable Detail	Description	Structure
OHUG-INT-01	Indoor Riser Cable - LSZH + FRP x 2 + Tight Buffer 	<ul style="list-style-type: none"> Outer Sheathing Module Fiber Core Strength Member
OHUG-INT-02	Indoor Riser Cable - LSZH + FRP x 2 + Microtube 	<ul style="list-style-type: none"> Outer Sheathing Module Fiber Core Strength Member
OHUG-INT-03	Indoor Riser Cable - LSZH + FRP x 2 + Microtube 	<ul style="list-style-type: none"> Outer Sheathing Strength Member Module Fiber Core

1.7 FTTA

Full range of copper / fibre connectivity components for Wireless Telecom Networks



Application



- Mobile connectivity

Features and Benefits

- Complete connectivity range and accessories tailored to end user requirements

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Code	Description	Description
DEX-WR-JT	<ul style="list-style-type: none"> ▶ Application: Used as an enclosure for both optical fibre cables and power cables as well as serving as a connection interface between hybrid (optical fibre / power) trunk cable and hybrid tail cables. ▶ Connectivity Options: 4 x SC/A connector patch panel and 48 volt DC power connector pair (As standard). Multiple other options can be provided depending on customer's requirement ▶ Sizes: multiple sizes available (depending on customer's requirement) ▶ IP rating: IP67 ▶ Pre-connectorised option: Junction box can be provided pre-terminated with cable (depending on customer's requirement) ▶ Sealing mechanism: Rubber Glands for cable entry and removable screw down lock for closing ▶ CWDM: Each junction box contains a CWDM Mux/Demux module (as standard) and is used to interconnect with up to junction boxes 	<p style="text-align: center;">FTTA Junction Box</p>  <p>The image shows a white plastic FTTH Junction Box with its lid open, revealing internal fiber optic components. Below the box, there are several cables: a black power cable with a DC connector, and several multi-colored fiber optic cables with SC/APC connectors.</p>
DEX-WR-HYB	<ul style="list-style-type: none"> ▶ Application: For use in FTTH Wireless Antennae. Composite cable that contains both optical fibre and power DC power cable in a single cable. This reduces installation time; cable congestion and cable load on the Antenna. ▶ Plug and play connection: Factory-terminated, pre-connectorised connection interface simplifies and speeds up installation time. This removes risk and improves reliability and efficiency. Connector interface can be customized to suit any vendor equipment type for junction boxes ▶ Features & Benefits: <ul style="list-style-type: none"> • Faster Installation: Faster than 2 separate cables. It minimizes cable runs, costs and installation time • Reduced cable installation: Reduced diameter on hybrid cable results in additional room on the Antenna for additional Remote Radio Unit (RRU) or cable deployments • Quicker network upgrading: only 1 cable required for both communications and power results in quicker installation • Multiple standard lengths available 	<p style="text-align: center;">Hybrid (Optical Fibre / Power) Cable</p>  <p>The image shows a close-up of a hybrid cable with a braided metal shield. The outer jacket is cut away to reveal four internal conductors: two red and two blue. One end of the cable is terminated with a black plastic connector, and the other end is terminated with a blue fiber optic connector.</p>

Code	Overview	Description
DEX-FO-OD-PCL	<ul style="list-style-type: none"> ▶ Application: Connect outlets and terminal equipment in harsh outdoor FTTA and FTTH environments ▶ Length: available pre-terminated in all lengths depending on customer's requirement ▶ Connectivity options. All connector types available (standard: LC) ▶ Key Features: <ul style="list-style-type: none"> • Housing – aluminum for optimum strength • Easy operation – thread-lock for quick installation • Environmental performance – IP68 protection; Passed testing for salt mist; humidity; dust; temperature cycling • Mechanical performance – Passed testing for shock; vibration; • Optical Performance: Can be provided to customer's requirement (Standard: Insertion Loss: Grade B (IEC 61300-3-34); Return Loss: Grade 1 (IEC 61300-3-6)) 	<p style="text-align: center;">Pre-connectorised Cable</p> 
DEX-WR-GPS	<ul style="list-style-type: none"> ▶ Application: Synchronizes time between mobile base station and transmission network. Provides timing synchronization to provide high accuracy time and frequency. ▶ Features & Benefits: <ul style="list-style-type: none"> • Tracking Capability – 12 channels (Standard). Multiple other options available • Power Supply – 48VDC; Power consumption: 15W (Standard). Other options available .i.e. AC/DC Adapter is optional • GPS Antenna – active (Standard). Passive (optional) • IP Rating – IP68 (suitable for deployment on Antennae) • Supports multiple channels • Excellent timing accuracy • Multiple sizes available – depending on deployment location 	<p style="text-align: center;">GPS Time Synchroniser</p> 
HTTA-DB	<p style="text-align: center;">HTTA distribution box</p> <ul style="list-style-type: none"> • The hybrid box - HTTA is designed for flexible configurations (e.g. with surge protection devices), ease and quick deployment of up to 6 remote radio heads. • Its innovative design allows for installation using MASTERLINE Classic Hybrid (MLCH), a factory-terminated hybrid cable assembly or MASTERLINE Classic (MLC) bundled fiber and bundled power riser cables. All power distribution and fiber management components are pre-installed and the robust mounting bracket allows the hybrid cable to be pulled up with the box. • The HTTA box also has the capability to store up to 20 m of fiber cabling (riser or jumper) in it is cover and has the option to have connectorised outputs for the ultimate in flexibility 	

1.8 Fibre Optic Cleaning

Full suite of fibre optic cleaning solutions to clean fibre product for optimal connection.



- Range of wipes, click cleaners and alcohol containers
- Continuous testing, validation and product improvements are performed to ensure carriers can efficiently and flexibly roll out the optimum aerial solution.

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Code	Description	Image
CW	<p>Cleaning Wipes - Fibre Optic Cleaning Wipe</p> <ul style="list-style-type: none"> • Wood pulp+polyester • Wave pattern and teeth pattern • Virtually no lint. 	
OCC	<p>Cleaning Pen - Push-Cleaner One Click Cleaner, SC-250-C, LC-125-C</p> <ul style="list-style-type: none"> • Cleans both APC and UPC connectors • Ergonomic, comfortable design with single action cleaning • Precise mechanical action delivers consistent cleaning results • Low cost per clean with over 800 cleanings in one unit • Effective on a variety of contaminants including dust and oils • Automatic advance ensures each clean is performed with fresh cleaning tape • Compliant with EU/95/2002/EC Directive (RoHS) 	
FBK-14	<p>Cleaning Pen - MPO Cleaner</p> <ul style="list-style-type: none"> • Effective on a variety of contaminants including dust and oils. • Intermateability with FOCIS-5 (MPO). • Capable of cleaning ferrules with or without guide pins. • Capable of cleaning MPO ferrules inside or outside an MPO adapter. • Narrow design reaches tightly spaced MPO adapters. • Easy one-handed operation. • Up to 500 cleanings. 	
FBK-15	<p>Fibre Connector Cleaner Cassette</p> <ul style="list-style-type: none"> • Directly clean without any liquid. • Each unit cleans more than 500 times • Can clean the connector SC,SC2,F-C,ST,DIN,D4,MU,LC,MT • Low cost and high quality of cleaning material, economical and practical. • Size: 12.5cm x 6.5cm, weight: 100g • Humidity : 20% to 80% R.H • Preservation temperature 40C to 60oC • Preservation temperature 40C to 60oC 	
FBK-17	<p>Alcohol bottle</p> <ul style="list-style-type: none"> • Height: 12cm • Diameter: 6cm • Capacity: 250ml • Material: Plastic • Type: Pump 	

1.9 Fibre Optic Test Equipment

Full suite of fibre optic testing equipment to clean fibre product for optimal connection.



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1.9.1 Fibre Optic Power Meter

Code	Description	Image
LS80-H1315	<p>PON Power Meter - Handheld, 1310/1550±20nm, FC port</p> <ul style="list-style-type: none"> • Laser output with high-stability, multi-wavelength and single/multi-mode • Large LCD display • Switch button for changing operating wavelength and easy to operate • Long working hours • FC port 	
LS200-H1315	<p>PON Power Meter - Handheld, 1310 /1550±20nm, FC/ SC/ST interchangeable port</p> <ul style="list-style-type: none"> • Laser output with high-stability, multi-wavelength and single/multi-mode • Large LCD display • Switch button for changing operating wavelength and easy to operate • Long working hours • Standard FC/SC/ST interchangeable port • Auto power off after 10 minutes without operation • Low battery voltage detection • Intelligent backlight control • Adjustable output power 	
OPM80-BC	<p>PON Power Meter - Handheld, 850/980/1300/1310/1490/1550nm; Measurement range: -50+26dBm; FC port</p> <ul style="list-style-type: none"> • User self-calibration function • Power measurements in dBm or mW • Auto power off after 10 minutes without operation • FC port • Backlight LCD display for night operation 	
OPM80-TC	<p>PON Power Meter - Handheld, 850/980/1300/1310/1490/1550nm; Measurement range: -70+6dBm; FC port</p> <ul style="list-style-type: none"> • User self-calibration function • Power measurements in dBm or mW • Auto power off after 10 minutes without operation • FC port • Backlight LCD display for night operation • USB communication port for data transfer 	

1.9.1 Fibre Optic Power Meter (Continued)

Code	Description	Image
OPM200-BC	<p>PON Power Meter - Handheld, 850/1300/1310/1490/1550/1625nm; Measurement range: -70 +6dBm; FC/SC/ST interchangeable port</p> <ul style="list-style-type: none"> • User self-calibration function • Power measurements in dBm or mW • Auto power off after 10 minutes without operation • Standard FC/SC/ST interchangeable port • Backlight LCD display for night operation • REF setting function • Intelligent backlight control • Auto wavelength and frequency identification • High storage capacity • USB communication port for data transfer 	
OPM200-TC	<p>PON Power Meter - PON power meter AOF500, SC/APC</p> <ul style="list-style-type: none"> • Providing distinct power values for 1310 nm, 1490 nm and 1550 nm • Pass through measurement • Simultaneously measure and display of voice, data and video signals on different PON architectures • Manual calibration 	
AOF500	<p>PON Power Meter -FBM430</p> <ul style="list-style-type: none"> • Provides distinct power values for 1310nm, 1490nm and 1550nm • Pass through measurement • Simultaneously measures and voice, video, data and video signals on different PON architectures • Manual Calibration 	
FBM430	<p>PON Power Meter -FBM430</p> <ul style="list-style-type: none"> • Provides distinct power values for 1310nm, 1490nm and 1550nm • Pass through measurement • Simultaneously measures and voice, video, data and video signals on different PON architectures • Manual Calibration 	
BOU350T	<p>PON Power Meter</p> <ul style="list-style-type: none"> • FC, SC, ST adapters and 2.5mm UPP • Energy save mode • Built in VFL (optional) • Reference value storage • 850/1300/1310/1490/1550/1625nm 	
BOU350T	<p>SC adapter for BOU350T - SC Adapter</p> <ul style="list-style-type: none"> • Accessory for the PON Power Meter BOU350T 	


1.9.2 OTDR - Optical TDR

Code	Description	Image
OT5000-S2A	<p>Optical TDR - SM 1310/1550nm, dynamic Range: 32/30dB, FC/UPC port</p> <ul style="list-style-type: none"> Quick startup FTTX in-service testing (Up to:1:64 splitter) Built-in PON power meter for Triple-play testing High configuration series include optical light source, optical power meter, visual fault locator (VFL) and Optical Connector Inspector (MCI) modules USB data interface (PC software for batch data processing and report output) Dustproof and shockproof (2-meter drop test) Light weight, small size, rugged design and simple operation Visual link image software (Optional) 	
AOR500-S	<p>Optical TDR - OTDR</p> <ul style="list-style-type: none"> Convenient one-button testing High speed signal processing, less test time and fast analysis Colour TFT LCD USB port connect to PC Input optical signal auto detection and self-protection Built-in VFL 	

1.9.3 VFL - Visual Fault Locator

Code	Description	Image
BML207-1	<p>Visual Fault Locator - BML207-1</p> <ul style="list-style-type: none"> Output power: >1mW Dynamic distance:>5 km Support CW and 2Hz modulation work mode Solid design: use special laser and design to avoid damage when dropping on the floor Stable power output: use special laser driver circuit, which can ensure stable power output in the low battery 2.5mm universal adapter, can match SC/LC adapters 	
BML206-25	<p>Visual Fault Locator BML206-25 - VFL</p> <ul style="list-style-type: none"> Output power: >25mW Dynamic Distance: 18-20 km Support CW and 2Hz modulation work mode Solid design: use special laser and design to avoid damage when dropping on the floor Stable power output: use special laser driver circuit, which can ensure stable power output in the low battery 2.5mm universal adapter, can match SC/LC adapters 	

1.9.4 Light Source

Code	Description	Image
BOU350-S3S5	<p>Light Source - Optical Laser Source - BOU350-S3S5 (1310&1550)</p> <ul style="list-style-type: none"> • 1-3 wavelengths output from one port • High stabilization, build in optic isolator • 270, 1000, 2000 Hz Tone • Auto Wave ID output • Energy save mode 	

1.10 Fibre Optic Tools


Full suite of fibre optic Tools for preparing drop cable to splicing mechanically or with Fusion Splicer



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1.10.1 Fibre Optic Microscope

Code	Description	Image
FOM-01	<p>Fibre Optic Microscope - FMS</p> <ul style="list-style-type: none"> The FSM series fibre microscope utilizes a white LED for coaxial illumination. Light is introduced into the optical path (axis) so that it comes out the tip of the objective and strikes the sample perpendicular to the fibre end-face. 	
FOM-02	<p>Fibre Optic Microscope - HMS200</p> <ul style="list-style-type: none"> Optical magnification : 200x Both PC and APC end face inspection Built-in infrared attenuation filter for safety and reliability Momentary on/off switch control Precise focal length adjustment 	
FOM-03	<p>Fibre Optic Microscope - HMS400</p> <ul style="list-style-type: none"> Optical magnification : 400x Both PC and APC end face inspection Built-in infrared attenuation filter for safety and reliability Momentary on/off switch control Precise focal length adjustment 	
FOM-04	<p>Miller Fibre Optic Inspection Microscope 200X</p> <ul style="list-style-type: none"> Achromatic glass objective for excellent image quality Focus wheel for proper focus at all times Universal 2.5 mm adapter for nearly all ST, SC and FC connector ferrules included as the standard adapter Integrated laser safety filters (not intended for viewing lit fibres) Coaxial illumination by LED light giving up to 100,000 lamp hour life and extended battery life Side illumination port allows back lit inspection of jumpers and can be used as a fault finder Body of durable aluminum comes in soft padded storage case Takes 3 AAA batteries (included) Length: 9 in. (230 mm) Weight: 1.2 lbs (550 g) without case 	
FOM-05	<p>Miller Fibre Optic Inspection Microscope 400X</p> <ul style="list-style-type: none"> Achromatic glass objective for excellent image quality Focus wheel for proper focus at all times Universal 2.5 mm adapter for nearly all ST, SC and FC connector ferrules included as the standard adapter Integrated laser safety filters (not intended for viewing lit fibres) Coaxial illumination by LED light giving up to 100,000 lamp hour life and extended battery life Side illumination port allows back lit inspection of jumpers and can be used as a fault finder Body of durable aluminum comes in soft padded storage case Takes 3 AAA batteries (included) Length: 9 in. (230 mm) Weight: 1.2 lbs (550 g) without case 	

1.10.2 Fibre Optic Stripper

Code	Description	Image
FBK-1	<p>Stripper - 1 Hole Stripper</p> <ul style="list-style-type: none"> For stripping 250micron buffer coating to expose 125micron cladded fibre For stripping 2-3mm fibre jackets Removal of 250 micron buffer coating from 125 micron fibre Pre-set at factory - no adjustments needed Will not scratch or nick glass fibre All stripping surfaces are manufactured to precise tolerances to assure clean, smooth strips Comfort-grip, ergonomic handles Lock to hold tool closed when it is not in use Length: 6.44 in (165.00 mm) Weight: 4.17 ounces (119.0g) 	
FBK-5	<p>Lengthways stripper</p> <ul style="list-style-type: none"> Impact resistant plastic material Safe and simple handling No risk of injuries Adjustable slitting depth Double bladed knife made from hardened special steel 	
FBK-8	<p>Drop Cable Stripper</p> <ul style="list-style-type: none"> Impact resistant plastic material Safe and simple handling No risk of injuries Adjustable slitting depth Double bladed knife made from hardened special steel 	
FBK-6	<p>Stripper - Buff Tube Stripper Coaxial Stripper up to 1/8 inch</p> <ul style="list-style-type: none"> Adjustable blades can be set for any depth to help ensure neck-free strips Use with twisted-pair wire, tightly wrapped stranded cables, CATV cable, CB antenna cable, SO, S3, S3T, and other types of flexible power cords Includes three straight and one round blade 	
FBK-2+3	<p>Stripper - 2 or3 HOLE FIBRE STRIPPER CFS-3</p> <ul style="list-style-type: none"> For stripping 250 micron buffer coating to expose 125 micron cladded fibre For stripping 2-3mm fibre jackets Removal of 250 micron buffer coating from 125 micron fibre Pre-set at the factory - no adjustments needed Will not scratch or nick glass fibre All stripping surfaces are manufactured to precise tolerances to assure clean, smooth strips 	

1.10.2 Fibre Optic Stripper (Continued)

Code	Description	Image
FBK-7	<p>Stripper - Coaxial Stripper, 1/8 Inch to 7/32 Inch</p> <ul style="list-style-type: none"> Adjustable blades can be set for any depth to help ensure neck-free strips Use with twisted-pair wire, tightly wrapped stranded cables, CATV cable, CB antenna cable, SO, S3, SJT, and other types of flexible power cords Includes three straight and one round blade 	
FBK-7	<p>Stripper - FOT-103</p> <ul style="list-style-type: none"> FOT-103 fiber optic 3-way stripper is the ideal tool for stripping 125 micron glass fibers with 250 micron buffer coating without scratching or nicking the glass fiber. Three-hole model performs all common fiber stripping functions in one compact tool Standard 250 to 125 micron stripping Remove 900 tight buffer to 250 micron buffer coating Hole for removal of 2 to 3 mm fiber jackets Length:136.5mm, Weight: 71g 	
FOT 103-S	<p>Adjustable Wire Stripper & Cutter</p> <ul style="list-style-type: none"> Strips and cuts insulated wire sizes from #22 AWG (0.65 mm) to #10 AWG (2.6 mm) Cam adjusts easily to fit wire size Pressure is against the cam not on the set screw Opening spring and closing lock feature Ideal for all applications Ground and unground versions available Soft plastic coated handles Length: 5.375 in. (136.53 mm) Weight: 2.5 oz (71 g) 	

1.10.3 Slitter

Code	Description	Image
FBK-11	<p>Mid Span Slitter</p> <ul style="list-style-type: none"> Specialized for optical fibre outer jacket Mid-Span Cutting Available for indoor optical fibre Compact and portable Easy to operate and handle 4-5 slots for different diameter cable 	
FBK-12	<p>Fibre Cable Slitter</p> <ul style="list-style-type: none"> V-opening in blade Perfect tool for cutting jackets from a variety of fibre optic cable Cables of loose or ribbon For various size of cable 10-25mm diameters cables 	
FBK-10	<p>Mid Span Slitter</p> <ul style="list-style-type: none"> Specialized for optical fibre outer jacket Mid-Span Cutting Available for indoor optical fibre Compact and portable Easy to operate and handle 4-5 slots for different diameter cable 	
FOT-201	<p>Fibre Optic Cable Slitter</p> <ul style="list-style-type: none"> Adjustable blades can be set for any depth to help ensure neck-free strips Use with twisted-pair wire, tightly wrapped stranded cables, CATV cable, CB antenna cable, SO, SJ, SJT, and other types of flexible power cords Includes three straight and one round blade 	
Ripley 400S	<p>400S Fibre Jacket Slitter</p> <ul style="list-style-type: none"> Miller 400 series Fibre Buffer Tube & Drop Cable Slitter For mid-span and end slitting of fibre buffer tubes and fibre drop cable Different models available matched to the size of buffer tube or drop cable to be prepared Dual blade design Self closing for safety Latch locks tool closed Comfortable soft plastic grips Made in the U.S.A. Length: 6.5 in. (165 mm) Weight: 9.0 oz (255 g) Replacement Blade Part #: 80235 (two blades per package) 	
FBK-9	<p>Fibre Optic Drop Cable Slitter and Length Bar</p>	

1.10.4 Fibre Optic Kevlar Scissors

Code	Description	Image
FBK-4	<p>Fibre Optic Kevlar Scissors</p> <ul style="list-style-type: none"> • Excellent quality for professional use • Easy to handle • Kevlar cutting 	

1.10.5 Fibre Optic Kevlar Cutter

Code	Description	Image
FOKC	<p>Fibre Optic Kevlar Cutter</p> <ul style="list-style-type: none"> • Designed to cut Kevlar® strength members in fibre optic cables • Powerful quick cutting action • Full serrated edge for consistent, fast and clean cuts • Lightweight and compact • Return spring designed for precise repeated cuts • Ergonomic handles with cushioned non-slip grips • Made of high carbon steel specially treated for long life and trouble free cuts • > Length: 5.75 in. (146 mm) • > Weight: 2.5 oz (72 g) 	

1.10.6 Fibre Optic Identifier

Code	Description	Image
OFI-300	<p>Fibre Optic Identifier</p> <ul style="list-style-type: none"> • Indicate the signal direction in fibre • Easy-to-use with ONE KEY operation • Adapter for 0.25, 0.9, 2.0, 3.0mm fibre • Detect tones 270Hz, 1kHz and 2kHz • Durable metal housing and quality construction • Powered by 1 units of 9V battery 	

1.10.7 Mid-Span Access Tools

Code	Description	Image
MB01-7000	MSAT 16 Mid-Span Access Tool	
MB01-7500	MSAT 16 Replacement Blade Kit	

1.10.8 Riser Cable Tools

Code	Description	Image
81315	RBT Tool	
81320	RBT Blades (10/pack)	

1.10.9 Jacket Strippers

Code	Description	Image
43265	CB 276A (for AJS)	
39390	MK02 Round Cable Jacket Stripper with hook blade	

1.10.10 Polishing Kits and Supplies

Code	Description	Image
81592	FCCT-250	
81591	FCCT-125	
46163	FS600 Fiber-Safe Lexan Polishing Plate	
46165	FS700 Fiber-Safe Neoprene Polishing Pad	

1.10.11 Fibre-Safe Fibre Safety Supplies

Code	Description	Image
46154	FS100 Fiber-Safe(TM) Polishing Mat	
46157	FS200S Fiber-Safe (TM) Fiber Trash Can	
46159	FS300 Fiber-Safe (TM) Safety Glasses	
46162	FS500 Fiber-Safe (TM) Splinter Tweezer	
46171	FS9500 Fiber-Safe (TM) Fiber Safety Kit	

1.10.12 Fibre Optic Crimp Tools

Code	Description	Image
39840-1	Ratcheting Fiber Optic Crimp Tool, w/ Jaw Set #1	
39840-2	Ratcheting Fiber Optic Crimp Tool, w/ Jaw Set #2	
39840-3	Ratcheting Fiber Optic Crimp Tool, w/ Jaw Set #3	
39840-4	Ratcheting Fiber Optic Crimp Tool, w/ Jaw Set #4	

1.10.13 Wire Stripper

Code	Description	Image
80300	100 Adjustable Wire Stripper & Cutter	
80300-30	100 Adjustable Wire Stripper & Cutter, Ground Surface	

1.10.14 NN Wire Stripper

Code	Description	Image
86188	NN008W WIRE STRIPPER	
86190	NN010W WIRE STRIPPER	



1.10.15 Multi-Wire Stripper

Code	Description	Image
80564	721 Multi-Wire Stripper/Cutter with Cushioned Grip and Handle Lock	
80568	821 Multi-Wire Stripper/Cutter with Cushioned Grip and Handle Lock	
44625	921 Multi-Wire Stripper/Cutter with Cushioned Grip and Handle Lock	

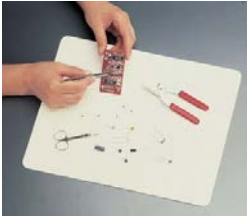



1.10.16 Other Telecom Tools

Code	Description	Image
80756	RIC RJ Style Ratcheting Crimping Tool (8P,6P,4P)	
80757	RIC Replacement Blade Kit	
40000	BTC BT/RJ Style Ratcheting Crimp Tool	

1.10.17 Splicer Tools

Code	Description	Image
46112	CK6 6-1/4" Cable Splicer's Knife	
46131	CSH96 Splicer's Tools Holster	
46044	925 CS Splicer's Kit	

1.10.18 Anti-static Work Mats, Tweezers, Anti-Wicking Tweezers

Code	Description	Image
46281	R22 Softy Roll Mat - 22"x180 lin.ft (Price per linear ft)	
46180	M11 Softy Work Mat - 11"x14"	
46183	M14 Softy Work Mat - 14"x22"	
46009	226 Tweezers - Carbon Serrated	
46011	231 Tweezers - Stainless Serrated	
46029	55A Tweezers - Stainless Needle Tips	

1.10.19 Desoldering Tools

Code	Description	Image
39467	DSG PRM 587 AS, Anti Static Desoldering Gun	
39505	Replacement Nozzle	
39455	DSG PRM 587 MICRO with Safety Shield	

1.10.20 Drop Cable Strippers

Code	Description	Image
35238	UDT 711-250	
35220	UDT 59611-250	
35221	UDT 596711-250	

1.10.21 "AT" Compression Assembly Tools

Code	Description	Image
43945-1	CTX - EX/RG7/RG11 COMPRESSION TOOL	
43945-2	CTU - UNIVERSAL/ RG7/RG11 COMPRESSION TOOL	
43945-3	CTC - EX/UNIVERSAL/RG7/RG11 COMPRESSION TOOL	

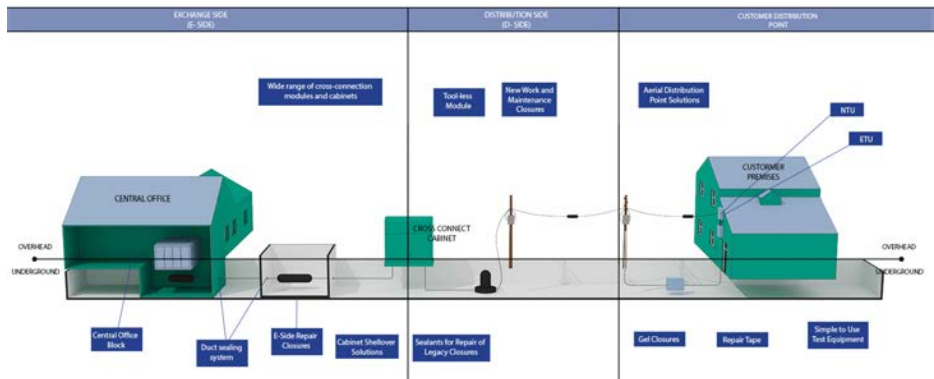
1.10.22 Base "CAT" Compression Assembly Tools

Code	Description	Image
36175-1	CAT UNIVERSAL	
37260	CAT UNIVERSAL-FX	
36173	CAT-EX	

Section 2

Copper Access Network

Complete range of legacy copper network components that have been proven in many networks



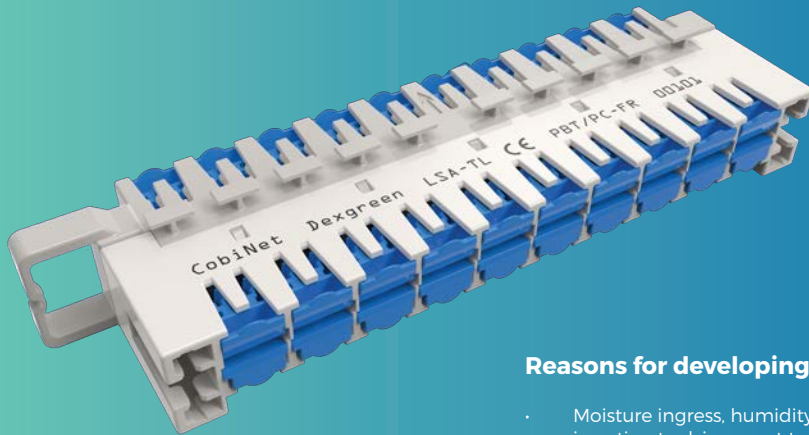
Overview

- Range of copper products ranging from modules, connectors, a variety of mechanical and gel filled closures, cabinets & heatshrinks
- Continuous testing, validation and product improvements are performed to ensure carriers can efficiently and flexibly roll out the optimum aerial solution.

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2.1 Tool-less Modular Connector

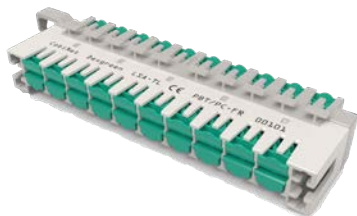


Reasons for developing LSA-TL Module

- Moisture ingress, humidity, condensation cycle
- insertion tool, incorrect tool, damaged tool, no tool used has big impact on faults.
- FTTH intervention by technicians increase fault rates.
- Poor jumper management over time
- Degradation of legacy modules over time
- Extreme weather, high rainfall, flooding.

LSA-TL 10 Pair Disconnection Module

The Solution: to improve reliability of copper



1. Separate Test Port
to test both ways.



4. Full supporting Range
of Accessories



2. Tool-less
Disconnection Module



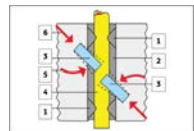
5. Bespoke cable
management system



3. Silicone Gel
encapsulates IDC



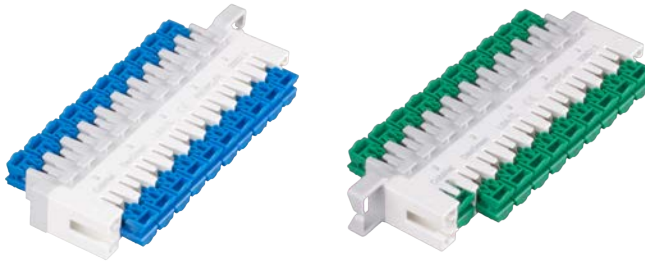
6. 45o IDC technology
silver plates contacts



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2.1.1 LSA - TL



Application

- Fully tool-less disconnection module with LSA-contacts (45° angle) for connecting plastic-insulated copper conductors
- The tool-less design allows wire termination without special insertion tool
- Separate test ports to test both ways
- Silicone Gel encapsulation to provide excellent environmental protection
- Insulation displacement connection according to IEC 60352-4 and DIN-41-611-6-C-EL-CL

Technical Specifications

Climate Area

For application in dry or damp rooms with or without condensation

- Temperature range storage/operation.....-40 to +80°C (-40 to 176°F)

Mechanical values for LSA-TL module

- Housing parts.....PBT-PC
- Contact material.....Special brass, silver-plated
- Flammability of plastic material.....Self-extinguishing, V0 (According to UL94)
- Dimensions
 - Width.....119.4mm
 - Height (effective/nominal).....17.3/17.8mm
 - Depth.....35.6mm
- Recommended grid dimension in frame.....22.5mm
- Weight incl. gel.....58g

Mechanical values for plastic insulated copper conductors

- Wire diameter for connection with one or two solid wires (same diameter and same type).....0.40 to 0.65mm_ AWC 26 to 22
- Overall diameter (insulation PVC and PE).....0.70 to 1.10mm
- Repeatability of the wire connecting200x (With strands or solid wires 0.4 to 0.65mm)

Technical Specifications (continued)

Electrical values

The electrical values were collected after 4-day storage in a constant climate environment at 40°C (104°F) and 93% relative humidity

- Insulation resistance at 500V.....>5 x 10⁴MΩ
- Dielectric strength.....2kVrms
- Impulse strength (waveform 1.2/50μs).....3.6kV
- Permitted current carrying capacity of the LSAGTL contact.....5kA (waveform 8/20μs)
- Contact resistance (wire connection).....Typical 1.0mΩ
- Guaranteed.....≤2.5mΩ
- Total resistance disconnection contact incl.....≤10.0mΩ

Transmission technical values

The LSA-TL-P modules are suitable for the following communication services:

- xDSL and other analogue and digital telecommunication services
- Ethernet (10BaseT) with 10MBit/s
- Token Ring with 4 or 16MBit/s
- TPDDI with 100Mbit/s

Ordering Information

Code	Description	Picture
82606 / 83035	<p>LSA TL - E side / D side</p> <p>LSA-TL with new Jumper Rings (left and right)</p>	
82602	<p>Mounting Column</p> <p>Capable of mounting onto hanging back rails of standard cabinets, without the need of modifying the existing framework</p> <ul style="list-style-type: none"> · Constructed of stainless steel. The edges of the mounting column are free from burrs or sharp edges that come into contact with connectors and wires. · 300 pair and 400 pair mounting column provided for installation in traditional telecom cabinets · 2 back mount frames provided per unit · Brackets (stability devices) are included with the mounting column in order to connect it to the rear of the cabinet. This ensures the mounting column does not move during installation / maintenance of the connectors. These devices do not interfere with the hanging bars or jumper field. 	

Code	Description	Picture
	<p>LSA TL 5 pair Module</p> <ul style="list-style-type: none"> · Fits into compact spaces · Perfect for maintenance work when replacing legacy modules. 	
	<p>1x100PR Frames & Mount Standard Pitch (fit inside Madison Pillar)</p> <ul style="list-style-type: none"> · Description: Application is 4x100PR SP. Exchange existing back black plastic back mount frames for one 100PR Exchange & 100PR Distribution frame at a time In an existing Madison Pillar. Included are 2x frames, 1x Mount & 2x jubilee clips. · Item code: TBA 	
	<p>1x150PR Frames & Mount HD (fit inside pillar)</p> <ul style="list-style-type: none"> · Description: Application is 3x150PR HD. Each frame can be mounted separately and can fit inside the existing 1800 PR pillar dimensions. Included are 2x Frames, 1x mount & 2x jubilee clips. · Item code: TBA 	
	<p>1x200PR Frames & Mount HD (fit inside pillar)</p> <ul style="list-style-type: none"> · Description: Application is 3x200PR HD. Each frame can be mounted separately and can fit inside the existing pillar dimensions. Included are 2x frames, 1x mount & 2x jubilee clips. · Item code: TBA 	

Code	Description	Picture
	<p>1x200PR Frames & Mount HD (fit inside Madison pillar)</p> <ul style="list-style-type: none"> Description: Application is 4x200PR HD. Each frame can be mounted separately and can fit inside the existing Madison pillar dimensions. Included are 2x frames, 1x mount & 2x jubilee clips. Item code: TBA 	
	<p>1x 1600PR 2 Door Cabinet & Plinth Polyester</p> <ul style="list-style-type: none"> Description: 1x polyester cabinet & plinth for "cut over" of legacy Madison Pillar. Item code: TBA 	
	<p>1x 1600PR 2 Door Cabinet & Plinth Aluminum</p> <p>Description: 1x aluminum cabinet & plinth for "cut over" of legacy Madison Pillar.</p> <ul style="list-style-type: none"> Item code: TBA 	
	<p>1x 2000PR 2 Door Cabinet & Plinth Aluminum</p> <ul style="list-style-type: none"> Description: 1x aluminum cabinet & plinth for "cut over" of legacy Madison Pillar, with additional capacity. Item code: TBA 	

Code	Description	Picture
82602	<p>1x 300PR Mount High Density - Cabinet</p> <ul style="list-style-type: none"> Description: Mounting frames to populate max capacity of 1200PR in a 1600PR cabinet. Item code: TBA 	
	<p>1x 400PR Mount High Density - Cabinet</p> <ul style="list-style-type: none"> Description: Mounting frames to populate max capacity of 1600PR in a 1600PR cabinet. Item code: TBA 	
	<p>1x 500PR Mount High Density - Cabinet</p> <ul style="list-style-type: none"> Description: Mounting frames to populate max capacity of 2000PR in a 2000PR cabinet. Item code: TBA 	
82603	<p>Outrigger</p> <ul style="list-style-type: none"> Outrigger fits on back mount frame of LSA 237 and 3M SID. Cable guides for defined length and accurate wire position. Allows one by one switchover 	
82604	<p>Test Adapter</p> <ul style="list-style-type: none"> Robust and smart design to provide greater number of insertions and improve the test facilities Banana plugs for connecting individual testing equipment 	
82605	<p>Designation kit</p> <ul style="list-style-type: none"> Red marking clip - 100 pieces Yellow marking clip - 50 pieces 2 set of Plug number sets 1,2,3-----0, 10,11,12-----19. & 6 sets of 10,20,30,-----100. 	
C-DP-DB-002	<p>Aerial Distribution Box</p> <p>Dexgreen offers distribution point boxes that house LSA-TL modules in the overhead access network. Key features of this solution include:</p> <ul style="list-style-type: none"> Bespoke Distribution Point (DP) for 10/20 pair Copper twisted pair applications only. IP rating: <ul style="list-style-type: none"> IP54 rating - standard box_ and IP68 rating - cable gland added for IP68 rating to accommodate both 10 / 20 pair cable diameters. 	

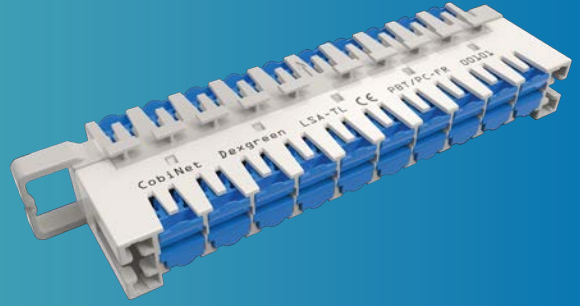
Code	Description	Picture
	<p>1x Smart Switch Kit</p> <ul style="list-style-type: none"> Description: Included are: smart switch and multiple test leads; 3M SID C Module, Dexgreen LSA-TL, Krone S237, PSTN, 51A, tool-less module lead, BIX adapter. Item code: TBA 	
	<p>1x 4mm In-line Socket Adapter</p> <ul style="list-style-type: none"> Description: Used in conjunction with the Adapter Lead. Item code: TBA 	
	<p>1x Single Over Voltage Protection Module</p> <ul style="list-style-type: none"> Item code: TBA 	
	<p>1x10PR LSA-TL Over Voltage Plug In Module</p> <ul style="list-style-type: none"> Used as a primary product in analogue and digital networks. Equipped with 10x 3 pole arrestors 	

Installation Instructions:

- Cabinet Instructions:**
<http://www.dexgreen.com/quickguides/cabinet-instructions>
- Testing:**
<http://www.dexgreen.com/quickguides/testing>
- Terminating:**
<http://www.dexgreen.com/quickguides/terminating>
- Jumpering:**
<http://www.dexgreen.com/quickguides/jumpering>



2.2 Modular Connector Range



10 Pair Disconnection Modules

LSA-Series 2 (100pr)

LSA-HD (200pr)

LSA-BR 2 (200pr)

LSA-HD (200pr)

LSA-HD (100pr)

LSA-HD-P (64pr)

LSA-HD RS (10pr)

LSA-TL (50pr)

LSA-HD RS (10pr)

LSA-HD (2*50pr)

LSA-BR 2 (10pr)

LSA-BR 2 (34 pole)

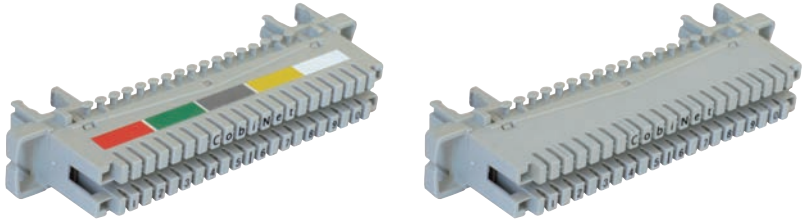


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Module	LSA Series 2	LSA-TL	LSA-HD	LSA-HD-RS and LSA-HD-PRS
Picture				
Optimum circuit density with grid dimension	22.5mm	17.5mm	12.5mm	12.5mm
Profile bar with 12mm ϕ and 95mm distance	✓	x	x	✓
Back mount frame with distance 104.5 mm	✓	✓	✓	x
Wire Conductor Range 0.35mm - 0.65mm	x	x	✓	✓
Wire Conductor Range 0.32mm - 0.8mm	✓	✓	✓	✓
Wire Conductor Range: 0.4mm - 0.8mm	✓	✓	✓	x
Wire Conductor Range: 0.4mm - 0.65mm	✓	✓	✓	✓
Wire Insulation Thickness 0.7mm - 1.6mm	✓	✓	✓	✓
Wire Insertion tool Required	✓	x	✓	✓
Fully tool-less termination	x	✓	x	x
Gel Encapsulation	x	✓	x	x
Silver Contact Plating	✓	✓	✓	✓
Contact angle of IDC 45°	✓	✓	✓	✓
Pair Count 10 pair	✓	✓	✓	✓
Pair Count 8 pair	x	x	✓	x
Disconnection Module	✓	✓	✓	✓
Connection Module	✓	x	✓	✓
Switch Module	x	x	x	x
Earth Module	✓	x	✓	✓
High density compact version avl. Pitch 12.5mm	x	x	✓	✓
Permanent Overvoltage protection magazine (connected at cable side)	x	x	✓	✓

LSA – Series 2



Application

- The Series 1 consists of 10 or 20 pair modules
- The narrower design of the LSA blocks allows a much higher packing density
- Grounding modules are included with screws for the ground terminal and a variety of accessories
- Complies with the following standards:
 ETS 300 019-1-1 Clause 1.1 (weather-protected, partially temperature-controlled storage)

IEC 60721 Part 3-3 Use (weatherproof, fixed)
 IEC 60352-4, solderless not accessible blade-type connections

Technical Specifications

Climate Area

For application in dry or damp rooms without condensation

- Temperature range during storage - 40 to +90 °C (-40 to 194 °F)
- Temperature range during operation -40 to +80 °C (-40 to 176 °F)

Mechanical for housing

LSA modules with LSA - contacts for plastic-insulated copper conductors with solid or stranded copper cores (stranded) for insulation displacement connections according to IEC 60352-4 and DIN 41611-6 -C - EL - CL

Mechanical values for plastic insulated copper conductors

- Wire Diameter
 - Connection with one solid wire0.40 to 0.80mm*, AWG 26-20
 - Connection with two solid wires (same diameter and same type)0.40 to 0.65 mm, AWG 26-22
 - Connection with one stranded wire..... 7x 0.12 to 0.32 mm , AWG 28-20
 - Outer diameter (insulation PVC and PE)tin-plated 0.70 to 1.60 mm
- Repeatability of the wire connecting contact.....max. 2 times

*After a single wiring with wires ≥ 0.65 mm no longer usable for smaller conductor diameter

Materials

- Plastic Parts.....PBT
- Flammability.....UL94 V0
- Contact Surface..... silver plated

Technical Specifications (continued)

Electrical values

The electrical values were collected after 4Rday storage in a constant climate environment at 40 °C (104 °F) and 93 % relative humidity.

- Insulation resistance at 500V..... >5 x 10⁴ MΩ
- Dielectric strength..... 2 kVrms
- Impulse strength (waveform 1.2/50 μs) 3.6 kV
- Permitted current carrying capacity (waveform 8/20 μs) of the LSA contact
 - Wire diameter ≥ 0.6 mm.....10 kA
 - Wire diameter < 0.6 mm.....5 kA
- Contact resistance (wire connection)
 - Typical.....1.0 mΩ
 - Guaranteed.....≤2.5 mΩ
 - Total resistance disconnection contact incl.≤10.0 mΩ

Communication transmission values










The LSA R Series 2 modules are suitable for the following communication services:

- Analog and digital telecommunication services
- Ethernet (10BaseT) with 10 MBit/s
- Token Ring with 4 or 16 MBit/s
- TPDDI with 100 MBit/s
- Other communication services

Ordering Information

Code	Description	Picture
	LSA Series 2 modules <ul style="list-style-type: none"> • Types: <ul style="list-style-type: none"> • LSA connection module 2/10 for 10 pair • LSA separating strip 2/10 for 10 pair • LSA Rearth module 2/34 • LSA disconnection block 2/10 for 10 pair • LSA – narrow jumper rings • For profile rods and mounting columns <ul style="list-style-type: none"> • Large / small jumper wire guides available <ul style="list-style-type: none"> • with color code printing: jumper end 1 ... 0 • without color code printing: jumper end 1 ... 0 	
1008 3101	LSA-Punch Down Tool with Sensor <ul style="list-style-type: none"> • For disconnecting wires with 0.35 to 0.9 mm conductor diameter (core diameter 0.7 to 2.6 mm) to LSA modules • Scissors can be disabled to allow a looping a potential to other contacts • Fold unlatching hook and pull • With sensor for scanning the final position • Housing color: green / gray 	

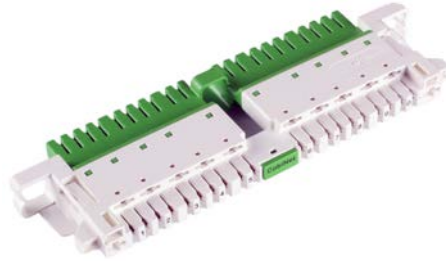
Ordering Information (continued)

Code	Description	Picture
3031 032	Profile Module label holder 2/1 <ul style="list-style-type: none"> Slipped onto profile rods and mounting frame / channel With unprinted paper plate 	
3030 020	Folding display frame 2/10 <ul style="list-style-type: none"> Slipped onto LSA modules 2/10 and over-voltage protection magazines 2/10 instead of the cover on both sides labeled Transparent covers with white paper and signs 	
3030 051 3030 052	Designation sets <ul style="list-style-type: none"> For marking of LSA-HD® modules and LSA modules Series 2 Colour: Gray 	
3030 064 3030 090	Disconnection plug <ul style="list-style-type: none"> Sizes: 2/1 ; 2/10 For separating pairs on LSA disconnection Series 2 	
3030 144 3030 072	Dummy plug 2/1 <ul style="list-style-type: none"> For marking 1 pair and for preventing access in terminal strips and the separation at the splitter bars series 2 With labeling area Colour: various 	
3030 032	Cover strips 2/10 <ul style="list-style-type: none"> To identify important connections on LSA modules 2/10 For ensuring access to cable wires or jumper wires Strip breaks during removal 	
3030 043	Marking cap 2/1 <ul style="list-style-type: none"> For marking important pairs of LSA modules Series 2 	
3030 200 3030 201 3030 203 3030 204	Bridge connector 2/1 <ul style="list-style-type: none"> The bridges of pairs for LSA R connection and the disconnection modules series 2 Bridge plug can be separated by means of side cutters With evacuation port 	
3030 028 3030 025	Switching adapter <ul style="list-style-type: none"> For the uninterrupted changeover of 1 or 10 pair to LSA connection and disconnection modules 	

Ordering Information (continued)

Code	Description	Picture
3030 028 3030 025	Switching adapter <ul style="list-style-type: none"> For the uninterrupted changeover of 1 or 10 pair to LSA connection and disconnection modules 	
3030 030 3030 031	Release adapter <ul style="list-style-type: none"> Separated on LSA disconnection 1 or 10 ranked pair and attacks unilaterally from 	
3030 028 3020 044	Test cord <ul style="list-style-type: none"> Types: many types offered For parallel locking on a twin wire Colour marking for mapping the poles For LSA connection and disconnection modules 	
4020 003 4020 003	LSA arrester magazine 2/10 8x6 , 2-pole / 3-pole <ul style="list-style-type: none"> Overvoltage protection magazine for connection and disconnection modules 2/10 coarse protection Type H / T 	
4012 003 4012 005 4012 004 4012 021 4012 007	Overvoltage / overcurrent protection 2/1 <ul style="list-style-type: none"> 1 pair coarse and fine protection and failsafe Overcurrent protection by PTC (resettable fuse) Nominal operating current : range available Max. Nominal discharge current (8/20 microseconds): range available Attachable to LSA disconnection and safety edges Series 2 Operating Voltage DC : range available Maximum continuous voltage DC : range available Max. Transmission Frequency: range available 	
2881008300	Frames <ul style="list-style-type: none"> Profile: For receiving LSA modules on profile rods Back mount: For receiving LSA modules 2/10 	
3022 022	Flexible Back mount <ul style="list-style-type: none"> Stainless steel For receiving LSA modules 3 repeating different perforation patterns Individual modules are interconnected with bridges, which are easily separated with a side cutter 	

LSA – HD



Application

- High packing density
- Ease of installation lead to time and cost savings
- LSA connection technology with contacts at a 45° angle
- Connection and disconnection modules are available
- Plug-in locations for overvoltage protection, splitters, test plugs etc.
- SGS-tested and approved by Deutsche Telekom AG
- Insulation displacement connection according to IEC 352-4 part 4 and DIN 41 611-6-C-EL-CL

Technical Specifications

Climate Area

For application in dry or damp rooms without condensation

- Temperature range during storage -40 to +90 °C (-40 to 194 °F)
- Temperature range during operation -40 to +80 °C (-40 to 176 °F)

Mechanical values for Housing

- Material.....PBT
- Flammability according to UL94.....self-extinguishing, V10
- Dimensions
 - o Width.....129.7 mm
 - o Height.....12.5 mm
 - o Depth.....42.0 mm
- Weight.....44 g

Mechanical values for plastic insulated copper conductors

- Wire diameter
 - o Connection with one solid wire 0.40 to 0.80 mm[^] AWG 26 to 20
 - o Connection with two solid wires (same diameter and same type) 0.40 to 0.65 mm[^] AWG 26 to 22
 - o Connection with one stranded wire, tin-plated 7x 0.12 to 0.32 mm[^] AWG 28 to 20
- Overall diameter (insulation PVC and PE) 0.70 to 1.60 mm
- Repeatability of the wire connecting
 - o With strands or solid wires 0.40 to 0.65 mm 200x
 - o With solid wires 0.80 mm 50x
- Contact material special brass, silver-plated 0.5 μm, in contact area ≥5 μm

Technical Specifications (continued)

Electrical values

The electrical values were collected after 4Pday storage in a constant climate environment at 40 °C (104 °F) and 93 % relative humidity.

- Insulation resistance $>5 \times 10^4 \text{ M}\Omega$
- Dielectric strength 2 kVrms
- Impulse strength (waveform 1.2/50 μs) 3.6 kV
- Permitted current carrying capacity (waveform 8/20 μs) of the LSA contact
- Wire diameter $\geq 0.6 \text{ mm}$ 10 kA
- Wire diameter $< 0.6 \text{ mm}$ 5 kA
- Contact resistance (wire connection)
- Typical 1.0 m Ω
- Guaranteed $\leq 2.5 \text{ m}\Omega$
- Total resistance disconnection contact incl. $\leq 10.0 \text{ m}\Omega$

Communication Transmission Values

The LSA-HD® modules are suitable for the following communication services:

- Analog and digital telecommunication services^ Other communication services
- Ethernet (10BaseT) with 10 MBit/s^ Token Ring with 4 or 16 MBit/s^ TPDDI with 100 MBit/s






Ordering Information

Code	Description	Picture
1008 1010 1008 1010/F 1008 1110	<p>LSA-HD® module</p> <ul style="list-style-type: none"> · LSA-HD® connection module for 10 pairs · LSA-HD® connection module for 10 pairs for core diameters up to 1.8 mm (i.e. for circuit integrity cables) · LSA-HD® separation module for 10 pairs · LSA-HD® separation module for 10 pairs · Core diameter 1.8 mm for cables with functional integrity 	<p>The image shows two views of LSA-HD modules: a top view of a green and white module and a side view of a red and white module. Below them is a red and yellow cable with a connector.</p>
1008 3101	<p>LSA-Punch Down Tool with Sensor</p> <ul style="list-style-type: none"> · With sensor for detection of wire end-position · Housing color: green/gray · For termination of wires with the conductor <ul style="list-style-type: none"> · Diameter range 0.35 P 0.9 mm (overall) · Diameter range 0.7 P 2.6 mm) on LSA modules · Scissors can be deactivated so that a potential can be through-connected to other contacts · Fold-out blade and extraction hook 	<p>The image shows two views of the LSA-Punch Down Tool: a top view of the green and gray tool and a side view of the tool with the blade extended.</p>

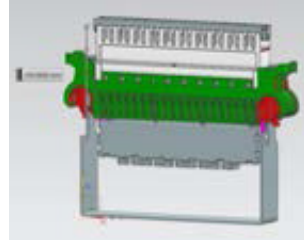
Ordering Information (continued)

Code	Description	Picture
3030 051 3030 052	<p>Designation kit</p> <ul style="list-style-type: none"> For marking of LSA-HD® modules and LSA modules Series 2 Colour: Gray 	
1008 3502	<p>Module label holder HD</p> <ul style="list-style-type: none"> Can be fitted to free spaces Both sides can be labeled, with unprinted paper plate and glass cover Unilaterally labeled with printed paper label 	
1008 3501	<p>Hinged Label Holder HD 10 pairs</p> <ul style="list-style-type: none"> Attached onto LSA-P-HD® Modules and Surge Protection Magazine Allows labeling on both sides with blank paper labels and transparent covers 	
1008 3405	<p>Disconnection plug HD 1 pair</p> <ul style="list-style-type: none"> For separating a pair in LSA-HD® 	
1008 3515	<p>Marking cap HD 1 pair</p> <ul style="list-style-type: none"> To identify important pairs of LSA-HD® modules Colour coding: 0 = gray^ 1 = yellow^ 2 = green^ 3 = blue^ 5 = red^ 6 = brown^ 9 = white 	
1008 3410	<p>Disconnection Plug HD 10 pair</p> <ul style="list-style-type: none"> For separating 10 pairs of LSA-HD® modules 	

Ordering Information (continued)

Code	Description	Picture
1008 3421	<p>Bridge plug HD</p> <ul style="list-style-type: none"> The bridges of pairs in LSA-HD® connection and disconnection modules 	
1008 3425	<ul style="list-style-type: none"> Bridge plug can be separated by means of diagonal cutters with draw-out 	
1008 3420	<ul style="list-style-type: none"> Sizes: 1 pair (2-pole) ^ 5 pairs (10-pole) ^ 10 pairs (20-pole) 	
1008 5910	<p>Mounting adapter LSA-HD® / LSA Series 2/10 profile round bar</p> <ul style="list-style-type: none"> Fastens by latching onto the profile rods Tool-less installation Stainless steel Complete set 	
	<p>LSA-HD® Overvoltage GDT magazine 10 pairs</p> <ul style="list-style-type: none"> Equipped with 10 3-pole arresters 6x8, 230 V, 5 kA, fail-safe Overvoltage protection magazine for LSA-HD® connection and disconnection modules Coarse protection 	
1008 3212	<p>Test cord HD</p> <ul style="list-style-type: none"> For LSA-HD® connection and disconnection modules Offered in the following configurations: <ul style="list-style-type: none"> 2 pole 4 pole 	
1008 3214	<ul style="list-style-type: none"> Equipped with LSA-HD® plug and 2 sockets (4 mm) for banana plugs Length: 0.2m ^ 0.5m ^ 1.0m ^ 1.5m ^ 2.0m ^ 3.0m ^ 4.0m ^ 5.0m 	
1008 3232	<p>Connection cord HD</p> <ul style="list-style-type: none"> For LSA-HD® connection and disconnection modules Equipped with 2 LSA-HD® plugs and RJ45 plug Offered in the following configurations: <ul style="list-style-type: none"> 2 pole – configuration: 1:1 4 pole – configuration: a-4, a'-5, b-3, b'-6 Configuration: 1:1 Length: 0.2m ^ 0.5m ^ 1.0m ^ 1.5m ^ 2.0m ^ 3.0m ^ 4.0m ^ 5.0m Type: 2 = 2 pole ^ 4 = 4 pole 	

LSA - HD - RS and LSA-HD-P-RS



Application

- Module with LSA-contacts (45° angle) for connecting plastic-insulated copper conductors with solid or stranded copper cores (stranded)
- Complies with IEC 60352J4 and DIN 41611-6-C-EL-CL
- Both permanent and removeable overvoltage protection possible
- Printed with numerals "1 ... 0"
- Meets technical requirements of Deutsche Telekom AG
- Colour:
 - Connection module.....Jumper RAL 7035 (light grey), cable side RAL 6018 (green)
 - Disconnection module.....Jumper RAL 9010 (pure white), cable side RAL 6018 (green)

Technical Specifications

Climate Area

For application in dry or damp rooms without condensation

- Temperature range during storage -40 to +90 °C (-40 to 194 °F)
- Temperature range during operation -40 to +80 °C (-40 to 176 °F)

Mechanical characteristics for Housing

- Material.....PBT-PC
- UL 94 flammability ratingself-extinguishing, V10
- Dimensions
 - Width112mm
 - Height.....12.5mm
 - Depth.....42mm
- Weight.....29g

Mechanical specifications for plastic - insulated copper conductors

- Head diameter
 - Circuit with two massive cores (Same diameter and the same type).....
 -0.35 to 0.65 mmc AWG 27 to 22
 - Simple circuit with strand tinned7x 0.12 to 0.32 mmc AWG 28 to 20
- Outer diameter (insulation PVC and PE)0.60 to 1.40mm
- Repeatability of the wires connections
 - With stranded or solid conductors 0.35 to 0.65 mm200x
 - With solid conductors 0.80 mm50x
- Contact materialSpecial brass plated

Technical Specifications (continued)

Electrical specifications

The electrical parameters were determined after 4 days of storage under constant conditions at 40°C (104 ° F) and 93% relative humidity.

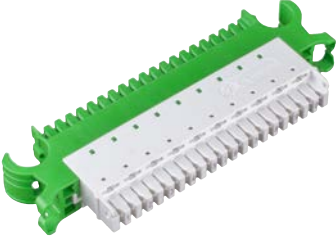

- Insulation resistance 500 V.....>5x104 MΩ
- AC resistance2kVeff
- Impulse withstand voltage (waveform 1,2/50 μs).....3,6kV
- Permissible surge current (waveform 8/20 microseconds) of the LSA contact
 - At Core diameter ≥ 0,6 mm.....10kA
 - At Core diameter < 0,6 mm.....5kA
- Contact resistance (wire connection)
 - Typical1,0mΩ
 - Guaranteed≤2,5mΩ

Transmission Technical Values

The LSA-HD® P-profile bars are suitable for the following communications applications:

- xDSL and other analog and digital telephone service
- Ethernet (10BaseT) mit 10 MBit/s
- Token Ring mit 4 or 16 MBit/s
- TPDDI with 100 MBit/s
- More data and communication services

Ordering Information

Code	Description	Picture
1015 1010	LSA-HD-P connection module with permanent overvoltage protection	
1015 1110	LSA-HD-P disconnection module with permanent overvoltage protection	
1016 1010	LSA-HD-P connection module without permanent overvoltage protection	
1016 1110	LSA-HD-P disconnection module without permanent overvoltage protection	

2.3 Distribution Point and Cabling



Range includes:

- External distribution boxes and domes
- Equipment for the customer's premises
- Pre-terminated cabling solutions



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Subscriber Overhead distribution box



Description

- ▶ **Water proof rating:** IP54 rated overhead distribution box
- ▶ **Cable entry and sealing:** through base of the housing. Sealing is achieved through rubber grommets
- ▶ **Locking mechanism:** box lid is hinged it is securely closed by latches and can be locked
- ▶ **Mounting mechanism:** fixed to timber aerial telephone pole through coach screws. Metal adapter is also available to fit housing to concrete
- ▶ **Operation:**
 - Fitted with modular connectors to provide a cost effective solution in populating the subscriber terminal boxes to any pair count required rather than pre-tailed terminal blocks
 - Utilised for terminating cables within the secondary telephone network and forming a distribution point where the cable pairs and subscriber lines meet.
 - The drop wire modular connector system incorporates both over voltage and over current capabilities as well as providing remote test access.

Features & Benefits	Application
<ul style="list-style-type: none"> • IP54 waterproof • Available in multiple sizes • Pre-terminated solution minimizes installation time 	<ul style="list-style-type: none"> • Aerial distribution point before customers premises in access networks
Ordering Information: C-DP-DB-001	

Ordering Information

Code	Product
CDP-DB-001.01	Overhead Distribution Box 10 pair - empty
C-DP-DB-001.02	Overhead Distribution Box 10 pair - with modules (unprotected)
C-DP-DB-001.03	Overhead Distribution Box 10 pair - with modules (protected overvoltage)
C-DP-DB-001.04	Overhead Distribution Box 20 pair - empty
C-DP-DB-001.05	Overhead Distribution Box 20 pair - with modules (unprotected)
C-DP-DB-001.06	Overhead Distribution Box 20 pair - with modules (protected overvoltage)
C-DP-DB-001.07	Overhead Distribution Box 30 pair - empty
C-DP-DB-001.08	Overhead Distribution Box 30 pair - with modules (unprotected)
C-DP-DB-001.09	Overhead Distribution Box 30 pair - with modules (protected overvoltage)

Outdoor Aerial Distribution Box (10 / 20 pair)



Description

- ▶ Water proof rating: IP54 rated overhead distribution box
- ▶ Cable entry and sealing: through base of the housing. Sealing is achieved through rubber grommets
- ▶ Locking mechanism: box lid is hinged it is securely closed by latches and can be locked
- ▶ Operation:
 - Fitted with modular connectors and capable of being fitted with Overvoltage protection modules
 - Maximum capacity is 2 standard LSA connectors - 20 pairs

Features & Benefits	Application
<ul style="list-style-type: none"> ● IP54 waterproof ● Pre-terminated solution minimizes installation time ● Can be quickly incorporated into the legacy network 	<ul style="list-style-type: none"> ● Aerial distribution point before customers' premises in access networks
Ordering Information: C-DP-DB-002	

Distribution Dome



Description

- ▶ Waterproof rating: IP68 – suitable for aerial mounting and submersion in underground networks
- ▶ Cable entry and sealing: through base of the housing. Sealing is achieved through Dexbond sealant
- ▶ Locking mechanism: re-openable clamp at interface between base and dome
- ▶ Operation:
 - Modular connectors fitted inside the terminal unit
 - Incorporates both over voltage and over current capabilities as well as providing remote test access.
 - Pre-terminated - therefore have all quality control checks performed prior to deployment in the access network

Features & Benefits	Application
<ul style="list-style-type: none"> ● IP68 waterproof ● Pre-terminated cables minimizes installation time 	<ul style="list-style-type: none"> ● Aerial / underground distribution point before customers premises in access networks
Ordering Information: C-DP-DB-003	

Customer Connection Box (internal)



Description

- ▶ Indoor box
- ▶ Cable entry: through sides of the unit
- ▶ Locking mechanism: unit is closed through screw down
- ▶ Operation: Compact box to be placed inside the customer's premises to connect cables together

Features & Benefits	Application
<ul style="list-style-type: none"> ● Compact ● Easy to use 	<ul style="list-style-type: none"> ● Customer's Premises ● Internal use
Ordering Information: C-DP-CP-001	

Internal Distribution Box



Description

- ▶ Indoor box
- ▶ Cable entry: through the base of the unit
- ▶ Locking mechanism: plastic latches and is lockable
- ▶ Operation:
 - Highly versatile connection box loaded with LSA Modules from 20 up to 100 pairs.
 - Used to provide transition point so that outlet positions can be moved frequently and efficiently without disturbing the horizontal cabling.
 - Includes 10 ways stainless steel mounting frame, but modules to be ordered separately.

Features & Benefits	Application
<ul style="list-style-type: none"> ● Compact ● Easy to use 	<ul style="list-style-type: none"> ● Customer's Premises ● Internal use
Ordering Information: C-DP-CP-002	

Ordering Information

Code	Product
C-DP-CP-002.01	20 pair – Internal Distribution Box
C-DP-CP-002.02	50 pair – Internal Distribution Box
C-DP-CP-002.03	100 pair – Internal Distribution Box

Building Entrance Termination Unit (ETU)



Description

- ▶ Waterproof rating: IP54
- ▶ Cable entry: through inside unit
- ▶ Locking mechanism: lockable openable door
- ▶ Operation:
 - Built onto the exterior wall of customers premises as a demarcation point between access network and customer's premises
 - Multiple cable entry ports at interior of box

Features & Benefits	Application
<ul style="list-style-type: none"> ● Compact ● Easy to use 	<ul style="list-style-type: none"> ● Customer's Premises ● Exterior use
Ordering Information: C-DP-CP-003	

Customer Protection Box



Description

- ▶ Waterproof rating: IP54
- ▶ Cable entry and sealing: through base unit and sealing is achieved through rubber grommets
- ▶ Locking mechanism: box lid is hinged it is securely closed by latches and can be locked
- ▶ Operation:
 - The customer protection box is designed to allow the connection of one or two drop wires with a maximum insulation diameter of 5mm each

Features & Benefits	Application
<ul style="list-style-type: none"> ● Compact ● Durable ● Easy to use 	<ul style="list-style-type: none"> ● Customer's Premises ● Distribution Point
Ordering Information: C-DP-CP-004	

Network Termination Unit (NTU)



Description

- ▶ Indoor use
- ▶ Cable entry: through back and front of unit
- ▶ Locking mechanism: lockable openable door
- ▶ Operation:
 - Standard method for terminating typical 2 wire copper lines in the home.
 - Unit contains a removable customer connection unit (CCU) that provides a demarcation point for the Network Operator line and customer extension wiring.
 - The unit is also configured to offer a separate alarm circuit. An RJ11 socket is standard, together with screw terminal connectors.
 - It converts the U termination of the ISDN line to one or more standard coding S/T interfaces that are suitable for connecting digital ISDN-ready phones, routers, and other devices to an ISDN line.
 - Supports either point-to-point or multipoint connections over distances greater than 5km on 26 AWG copper twisted-pair cabling.

Features & Benefits	Application
<ul style="list-style-type: none"> • Compact • Versatile • Easy to install: Low skill level required to install 	<ul style="list-style-type: none"> • Customer premises • Interior use • Telecommunications • Security and Alarms • Installed internally within customer premises
Ordering Information: C-DP-CP-005	

Tailed Pre-terminated cabinets









Description

- ▶ Pre-terminated cables have all quality control checks performed prior to deployment in the access network.
- ▶ Operation:
 - Modular connectors that are factory terminated to any pair count required
 - 100% quality control checks performed on them
 - Incorporates both over voltage and over current capabilities as well as providing remote test access. Suitable for installation in telecom cabinets and distribution closures

Features & Benefits	Application
<ul style="list-style-type: none"> • Versatile: used for all applications of copper wires within customer premises. • Easy to install: Low skill level required to install • 100% quality tested prior to use in the network 	<ul style="list-style-type: none"> • Installed within existing network applications, i.e. distribution point and telecom cabinet
Ordering Information: C-DP-CP-006	

2.4 Ready Access Closures



Extra Small Closure	Small New Work	Large New Work	Small Maintenance	Large Maintenance	Small New Work
					
<p>51300166</p> <p>Up to 30/0.40 cables. New and MTC. No Clamp Grease 'O' Rings. use in B pit or smaller. Suitable for water block Cable</p>	<p>51300167</p> <p>Up to 50/0.40. New work only. Not suitable for water Block Cable. Not MTC use.</p>	<p>51300168</p> <p>Up to 100/0.40. New work only. Not suitable for water Block Cable. Not MTC use.</p>	<p>51300212</p> <p>Up to 50/0.40. MTC and New Work. Suitable for water Block Cable.</p>	<p>51300169</p> <p>Up to 100/0.40. MTC and New Work. Suitable for water Block Cable. Aerial use with kit (51300225).</p>	<p>51300170</p> <p>Up to 100/0.40. 100/0.64. 50/0.90. MTC and New Work. Aerial use with kit (51300226).</p>

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Ready Access Dome Joint Closures

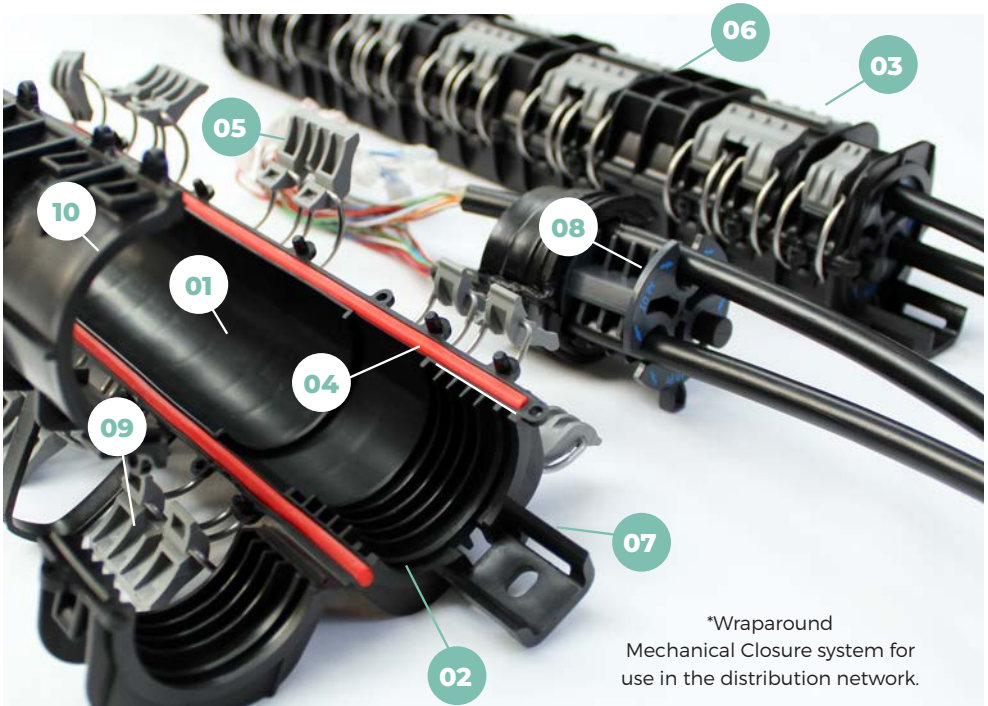


Description

- ▶ Water proof rating: IP54 (without Dexbond sealant); IP68 with Dexbond sealant)
- ▶ Cable entry and sealing: entry through base of closure, Sealing:
 - Aerial: putty at base
 - Underground: Dexbond sealant
- ▶ Locking mechanism: re-openable clamp between base and dome of closure
- ▶ Mounting mechanism:
 - Aerial: Universal Bracket fixed to pole
 - Underground: can be placed on ground
- ▶ Operation:
 - Ready Access Copper Joint Closure for distribution of Radial, Through Radial and Maintenance Copper Cable Splicing Applications. The Neptune™ Ready Access Closure is quick and easy to install and requires no specialist tooling.
 - Knockouts in the base section accurately position the cables entering the closure.
 - Variety of cable entry seals are used to manage all cable types
 - To ensure the integrity of the closure Installation “Flash Testing” of the joint can be undertaken.
 - Accelerated aging tests have been performed to ensure a minimum life of 25 years’ service.

Features & Benefits	Application
<ul style="list-style-type: none"> ● Excellent environmental and mechanical characteristics ● Available in multiple sizes ● Wide range of closure accessories available 	<ul style="list-style-type: none"> ● Underground and Overhead in the telecom Access Network
Ordering Information: C-CLO-DOM-001	

Dex Mech



*Wraparound
Mechanical Closure system for
use in the distribution network.

Description

DexMech is a new closure for use in the distribution network. Easy to install with no tools required, the novel cable seal and retention system allows for fast installation with a low level of user steps. The closure is compact and durable in harsh environments and can be installed in the aerial or underground network. The splice joint is easily accessible for maintenance activities without disturbing the installed cables. The closure comes in cap ended and inline versions with wedges available covering a wide range of cable installation configurations.

Features







- 01 Closure suitable for construction or maintenance
- 02 Bespoke cable retention and sealing system
- 03 Cap ended and in-line versions
- 04 For installation, no tools or material required for sealing
- 05 User friendly install with a low number of steps required
- 06 Compact and suitable for confined install conditions
- 07 Integrated mounting brackets for walls, poles or UG joint box no.2
- 08 Comprehensive range of cable configurations using wedges
- 09 User friendly touch points include ergonomic clips
- 10 Meets Operational & Acceptance testing in accordance with BT Engineering specification LN 686 Issue 2 18th October 2004

Ordering Information

Code	Description	Product
DEX-MECH-01	Small Cap End ▶ Total Pair Count: 20 Pair Closure	
DEX-MECH-02	Small In-Line ▶ Total Pair Count: 20 Pair Closure	

Code	Description	Product
WEDGE-01	1. MJC- WEDGE ▶ 2X5PR_ Cable Diameter: 8.5mm ▶ 2X20PR_ Cable Diameter: 15mm	
WEDGE-02	2. MJC- WEDGE ▶ 4X5PR_ Cable Diameter: 8.5mm	
WEDGE-03	3. MJC- WEDGE ▶ 2X5PR_ Cable Diameter: 8.5mm ▶ 1X20PR_ Cable Diameter: 15mm	
WEDGE-04	4. MJC- WEDGE ▶ 3X10PR_ Cable Diameter: 12mm	
WEDGE-05	5. MJC- WEDGE ▶ 3X20PR_ Cable Diameter: 15mm	
WEDGE-06	6. MJC- WEDGE ▶ 1X5PR_6DW_ Cable Diameter: 8.5mm	

Ordering Information (Contd.)

Code	Description	Product
C-CLO-DOM-001.01	<ul style="list-style-type: none"> ▶ Capacity: up to 30 pair (0.40mm cables) ▶ Application: <ul style="list-style-type: none"> • Suitable for water-block cable • Especially developed for small underground chambers where existing small closures are too large • Aerial and underground use 	Extra Small New Work 
C-CLO-DOM-001.02	<ul style="list-style-type: none"> ▶ Capacity: up to 50 pair (0.40mm cables) ▶ Application: <ul style="list-style-type: none"> • Not suitable for water-block cable • Caters for new cable entry • New work application only • Aerial and underground use 	Small New Work 
C-CLO-DOM-001.03	<ul style="list-style-type: none"> ▶ Capacity: up to 50 pair (0.40mm cables) ▶ Application: <ul style="list-style-type: none"> • Suitable for water-block cable • Maintenance port allows quick remakes • Spare Cable ports for cable reinsertion in the future (maintenance use) • Aerial and underground use 	Small Maintenance 
C-CLO-DOM-001.04	<ul style="list-style-type: none"> ▶ Capacity: up to 100 pair (0.40mm cables) ▶ Application: <ul style="list-style-type: none"> • Not suitable for water-block cable • New work application only • Aerial and underground use 	Large New Work 
C-CLO-DOM-001.05	<ul style="list-style-type: none"> ▶ Capacity: up to 100 pair (0.40mm cables) ▶ Application: <ul style="list-style-type: none"> • Suitable for water-block cable • Maintenance use - multiple cable entries; future insertion of cables • Aerial and underground use 	Large Maintenance 
C-CLO-DOM-001.06	<ul style="list-style-type: none"> ▶ Capacity: up to 100 pair (0.40mm cables) or 100 pair (0.64mm cables) or 50 pair (0.90mm cables) ▶ Application: <ul style="list-style-type: none"> • Suitable for water-block cable • Maintenance use - multiple cable entries • Aerial and underground use 	Extra Large New Work 

Above Ground Closure



Description

- ▶ Waterproof rating: IP54 (aerial use)
- ▶ Cable entry and sealing: through sides of closure and sealing through silicone membranes on interior
- ▶ Locking mechanism: re-openable latch
- ▶ Mounting mechanism: free-hanging to joint cable aerially
- ▶ Operation:
 - Designed to accommodate an in line joint to repair damaged aerial cable
 - Accommodates one cable at the incoming end and up to two cables at the outgoing end
 - Cable types: primarily cable aerial drop wire 55 (CAD55), drop wire 10/12 and cable down lead. Obsolete type drop wires can also be accommodated in one end
 - After the joint is made, the cables are simply pushed into the two grooves and then the closure is snapped firmly together giving full environmental protection.

Features & Benefits	Application
<ul style="list-style-type: none"> ● Quick repair of damaged aerial cable 	<ul style="list-style-type: none"> ● New build or maintenance ● Aerial Use ● Demarcation between access network and customer premises
Ordering Information: C-CLO-AER-001	

Aerial in-line Closure



Description

- ▶ Waterproof rating: IP54 (aerial use)
- ▶ Cable entry and sealing: through sides of closure and sealing through rubber gaskets
- ▶ Locking mechanism: quick release re-openable clamp (one-piece free breathing housing)
- ▶ Mounting mechanism: clamped to wire to fix in position through metal clamp
- ▶ Operation:
 - End seals provide a quick and easy method of installing cables
 - Cable supports provided
 - 6 sizes in the range managing cable pair counts from 30 through to 800 pair

Features & Benefits	Application
<ul style="list-style-type: none"> ● Multiple sizes available in the range 	<ul style="list-style-type: none"> ● New build or maintenance
Ordering Information: C-CLO-AER-002	

Code	Product	Max. Sheath Opening	Max. Bundle Dia meter	Approx. Cable Pair	Port 1	Port 2	Port 3
DEX-TC-160/TB	40 x 250mm, 30 pair	150mm	40mm	30	5-25mm	5-15mm	-
DEX-TC-214T/TB	50 x 360mm, 50 pair	220mm	50mm	50	5-25mm	5-15mm	5-15mm
DEX-TC-220T/TB	50 x 500mm, 100 pair	350mm	56mm	100	5-25mm	5-15mm	5-15mm
DEX-TC-229T/TB	50 x 690mm, 100-200 pair	450mm	56mm	200	5-25mm	5-15mm	5-15mm
DEX-TC-327T/TB	75 x 690mm, 200-400 pair	450mm	92mm	200-400	5-47mm	5-27mm	5-27mm
DEX-TC-429T/TB	100 x 740mm, 600-800 pair	500mm	110mm	600-800	7-55mm	5-38mm	5-38mm

Gel-filled closures










Description

- ▶ Water proof rating: IP68 (water-submersion; direct buried)
- ▶ Cable entry and sealing: entry through sides of closure, sealing is achieved through non-flowing gel
- ▶ Locking mechanism: re-openable latch
- ▶ Mounting mechanism: hanger provided allows closure to be hung for aerial use, alternatively it can be placed free-hanging or on surface
- ▶ Operation:
 - All cables entering the splice case are strain relieved. Discrete IDC, Modular and Single Pair In-line connectors can be used.
 - In-line, Butt and branched splicing configurations can be spliced
 - Can be wrapped in tape for direct buried or water submersed applications
 - No special tools required to securely close splice case

Features & Benefits	Application
<ul style="list-style-type: none"> • Quick installation • Suitable for small underground chambers where other closures are too large • Suitable for water-block cable • No special tools required • Many connector types can be accommodated • Easy, clean re-entry • Excellent environmental performance 	<ul style="list-style-type: none"> • New build or maintenance
<p>Ordering Information: C-CLO-GF-001</p>	

Ordering Information

Code	Description	Product
C-CLO-GF-001.01	<ul style="list-style-type: none"> ▶ Capacity: up to 2 pair (0.40mm cables) ▶ Application: <ul style="list-style-type: none"> ● Aerial and underground use ● The closure is non re-enterable - 1 use only. 	2 Pair Screw-Down 
		2 Pair Flapper 
C-CLO-GF-001.02	<ul style="list-style-type: none"> ▶ Capacity: up to 5 pair (0.40mm cables) ▶ Application: <ul style="list-style-type: none"> ● Aerial and underground use ● Aerial use ● The closure is non re-enterable - 1 use only 	5 Pair Screw-Down 
		5 Pair Flapper 
C-CLO-GF-001.03	<ul style="list-style-type: none"> ▶ Capacity: up to 10 pair (0.40mm cables) ▶ Application: <ul style="list-style-type: none"> ● Aerial and underground use ● The closure is non re-enterable - 1 use only 	10 Pair gel-filled inline 
C-CLO-GF-001.04	<ul style="list-style-type: none"> ▶ Capacity: Designed for the following cables: <ul style="list-style-type: none"> ● 2/0.5 ● 5/0.5 ▶ Application: <ul style="list-style-type: none"> ● Can be used for in Line, Butt and T - splice applications. The closure is non re-enterable- 1 use only. ● Built in hangers for hanging in manholes. 	2/2/5 Pair Gel-filled Inline 
C-CLO-GF-001.05	To provide an adequate air/water proof seal for damaged cables, pressurized, unpressurised and various other closures that will be required to be direct buried.	Tape Closure Wrapping 

Airblock Closures



Description

- ▶ Waterproof rating: IP68 (submersible in water)
- ▶ Cable entry and sealing: cables enter through side of closure. Sealing achieved through flame being applied to heatshrink material and being filled with air blocking resin applied in order to form seal.
- ▶ Mounting mechanism: fitted onto frame or else direct buried
- ▶ Operation:
 - Essential to verify that no gas is present around proximity of jointing chamber prior to carrying out new or maintenance work.
 - The flame of the torch is to be angled in the shrinking direction and the flame is to be moved continuously around the sleeve to avoid hot spots, sleeve wrinkles and air pockets while performing the heatshrink procedure

Features & Benefits	Application
<ul style="list-style-type: none"> • Multiple sizes offered depending on customer requirement 	<ul style="list-style-type: none"> • New build or maintenance applications
Ordering Information: C-CLO-AIR-001	

Ordering Information

Code	Description	Maximum Capacity
PBCS 32/8	Sleeve branding PBCS 32-8 – No 1 Batch code	100 pair
PBCS 50/16	Sleeve branding PBCS 50-16 – No 2 Batch code	200/600 pair
PBCS 65/25	Sleeve branding PBCS 65 - 25 - No 3 Batch code	800-1600 pair
PBCS 90/30	Sleeve branding PBCS 90-30 – No 4 Batch code	1600-4800 pair

Dome Pressure Tester



Description

- ▶ Locking mechanism: clamp locked around base of closure
- ▶ Sealing mechanism: relies on seal of closure. Pressure tester tests the seal
- ▶ Operation:
 - Used for pressure testing all closure types & fitted with quick connect Male Connector
 - Does not include Handheld Pump and Universal Pressure Test Gauge
 - These are available as Handheld pump and Universal Pressure Test Gauge

Features & Benefits	Application
<ul style="list-style-type: none"> • Quickly validates closures are sealed • Available in kit 	<ul style="list-style-type: none"> • To be used with: Extra Small Dome Tester; Small Dome Tester; Large Heat-Shrink Dome Tester; Large Dome Tester; Extra Large Dome Tester; Pump Handheld
Ordering Information: C-CLO-PRE-001	

Handheld Pump



Description







- ▶ Used with Manifold/Gauge/Relief valve kit 5
- ▶ Available in kit

Features & Benefits	Application
<ul style="list-style-type: none"> • Quickly validates closures are sealed • Available in kit 	<ul style="list-style-type: none"> • To be used with: Extra Small Dome Tester; Small Dome Tester; Large Heat-Shrink Dome Tester; Large Dome Tester; Extra Large Dome Tester; Pump Handheld
Ordering Information: C-CLO-PRE-002	

Closure Accessories

Code	Description	Product
C-CLO-ACC-001	Replacement clamp for openable heatshrink / ready access dome closure	<p>Openable Clamp</p> 
C-CLO-ACC-002	Heat Shrink / Ready access dome closure openable Joint O-Ring. Nitrile rubber, for heat-shrink open able joint enclosure.	<p>O-Ring</p> 
C-CLO-ACC-003	<p>Mounting Bracket Kit. For pole/manhole/pit mounting of Large and Extra Large enclosures. Consists of:</p> <ul style="list-style-type: none"> ▶ Mounting Bracket ▶ Uni-Block ▶ Bracket Pin ▶ Screws, 10G x 3/4 countersunk 	<p>Mounting Bracket and Spigot</p> 
C-CLO-ACC-004	<p>Used to convert the Dexgreen Large Maintenance Closure for aerial applications. This is suitable for 0.40mm cable.</p> <p>Consists of:</p> <ul style="list-style-type: none"> ▶ Metal Cable Retainer ▶ Universal Pole Mounting Bracket & Retaining Pin ▶ 2 x Screws ▶ 2 x Rawl Plugs (for wall fitting) ▶ 1 x Instruction Sheet 	<p>Aerial Closure kit</p> 
C-CLO-ACC-005	<p>Used to convert the Dexgreen Extra Large Closure for aerial applications. This is suitable for 0.64mm cable.</p> <p>Consists of:</p> <ul style="list-style-type: none"> ▶ Metal H piece cable retainer ▶ Universal Pole Mounting Bracket & Retaining Pin ▶ 2 x Bolts ▶ 2 x Rawl Plugs (for wall fitting) ▶ 6 x cable ties ▶ 1 x Instruction Sheet ▶ 2 x Cable Insert Crommets 	<p>Aerial Closure Kit</p> 
C-CLO-ACC-006	<ul style="list-style-type: none"> ▶ Putty block approx. 1 kg. For use on closure bases to create a dam to prevent sealant from leaking during pouring. ▶ Suitable to seal closures for aerial use. 	<p>Putty</p> 

Closure Accessories (Contd.)

Code	Description	Product
C-CLO-ACC-007	Cable Restraining Bracket for use with all closure sizes	External Cable Restraint 
C-CLO-ACC-008	<ul style="list-style-type: none"> ▶ Self-indicating silica gel bag. ▶ Multiple sizes available ▶ Different sizes required depending on closure size 	Silica Gel 
C-CLO-ACC-009	<ul style="list-style-type: none"> ▶ Harmless soapy mixture that when sprayed over the closure base (cable entry are) it detects leak paths in the form of air bubbles ▶ To be used in conjunction with dome pressure tester 	Leak Detection Fluid 
C-CLO-ACC-010	Used for cable pressure wrap, (air seal), blocking flow of epoxy resin into cable and sealing external RF coaxial connections.	Electrical Tape 
C-CLO-ACC-011	<ul style="list-style-type: none"> ▶ E-Z Wrap is a tough, thin (3.0mm) elastic vinyl material which sticks to itself when wrapped in layers ▶ Protects wire groups, splice bundles and paper insulated wire 	Vinyl non-adhesive tape 
C-CLO-ACC-012	<ul style="list-style-type: none"> ▶ Used as an overwrap on Lead-In Closures (2pr, 5pr & 10pr) 513/00205) ▶ Provides increased protection for buried joints or closures in hostile environments 	Tape Closure Wrapping 

2.5 Discrete and Modular Splicing Connectors



Cable Splicing Connectors

Range includes:

- **CWI 8A1 Discrete Connector**
- **11A1 Make 'Before Break Connector'**
- **Uy4C+ Tool-less Connector**
- **8B 3 Wire Connector**
- **8C Halftap Connector**
- **A full range Of 10 Pair and 25 Pair Modular Connectors is also available**



DEXGREEN

We collaborate, innovate & deliver

8A 2 wire connector



Description

- ▶ Operation: 8A copper cable splice crimp connector lets you efficiently splice telephone cable conductors without stripping the insulation
- ▶ Capacity: 2 wire connector. Accommodates conductors from 0.4 mm to 0.9 mm, this single-wire (discrete) connector can be used to splice two wires
- ▶ Operation:
 - Polypropylene plastic parts are resistant to fungi, heat, solvents and stress-cracking agents, and compatible with metals and other materials used in cable manufacturing, such as conductor insulation and filling compounds.
 - All metal components are resistant to or protected against general corrosion as well as localized corrosion, including stress corrosion cracking and pitting
 - Gel filling gives excellent environmental protection. Will not produce galvanic corrosion effects on other metals present, even in wet or humid conditions
- ▶ Packing information: Supplied in box of 500

Features & Benefits	Application
<ul style="list-style-type: none"> ● Compact - ideal for cable splicing within small closures and housings ● Durable - excellent environmental protection from moisture and contamination ● Versatile - available in multiple configurations (gel-filled, no gel, colour coded and others) 	<ul style="list-style-type: none"> ● Cable Splicing - Ideal for applications involving aerial, buried and underground construction, which are exposed to a range of temperatures, humidity, pollutants and craftsman-applied chemicals
Ordering Information: C-CON-DC-001	

8B 3 wire connector



Description

- ▶ Operation: Ideally suited for all types of cable splicing, requiring only simple tools and providing a small splice bundle. Designed to endure harsh climate conditions, the 8B uses a single crimp to displace the insulation and provide a cold-solder connection, which delivers low contact resistance
- ▶ Capacity: 3 wire connector
- ▶ Material: Polypropylene Colour coded covers for easy identification and various versions available. Gel-filled.
- ▶ Packing information: Supplied in a box of 250

Features & Benefits	Application
<ul style="list-style-type: none"> ● Compact ● Durable ● Versatile 	<ul style="list-style-type: none"> ● Cable Splicing - Ideal for applications involving aerial, buried and underground construction
Ordering Information: C-CON-DC-002	

8C Half Tap connector



Description

- ▶ Operation: Gel-filled polypropylene half-tap connector. Wires are pushed inside portholes of connector. Manual pre-crimp required prior to crimping with approved tool to ensure reliable connection
- ▶ Capacity: 2 wire connector. Designed for conductors from 0.4 mm to 0.9 mm in diameter, with a maximum 2.08 diameter insulation
- ▶ Material: Polypropylene Colour coded covers for easy identification and various versions available. Gel-filled.
- ▶ Packing information: Supplied in a box of 250

Features & Benefits	Application
<ul style="list-style-type: none"> ● Compact ● Durable ● Versatile 	<ul style="list-style-type: none"> ● Cable Splicing ● Ideal for applications involving aerial, buried and underground construction
Ordering Information: C-CON-DC-003	

11A Make before break connector



Description

- ▶ Operation:
 - The 11A is used on working pairs to cut out connectors previously in circuit, and a pre-crimp facility lets the connector be held in position prior to crimping.
 - Two ports of entry allow conductors to pass both through the connector and in from the sides, giving greater flexibility in application
 - Uses U-type insulation displacement connectors (IDCs) and an integral cutoff blade to form a connection between two insulated conductors.
- ▶ Capacity: 2 wire connector. Designed for conductors from 0.4 mm to 0.9 mm in diameter, with a maximum 2.08 diameter insulation
- ▶ Material: Polypropylene colour-coded covers for easy identification and various versions available. Gel-filled.
- ▶ Packing information: Supplied in box of 250

Features & Benefits	Application
<ul style="list-style-type: none"> ● Make before break - Once the connector is crimped, electrical contact through the contact elements occurs prior to wire cutoff and any excess conductor length is cut off, leaving an easily accessed and sealable test point ● Compact ● Easy to use 	<ul style="list-style-type: none"> ● Cable Splicing ● Ideal for applications involving aerial, buried and underground construction ● Maintenance
Ordering Information: C-CON-DC-004	

ECM1B - Subscriber Terminal Block System



Description

- ▶ Operation:
 - Highly reliable watertight connection module, designed to withstand all outside plant environments
 - Highly compact product, therefore it can be used in multiple applications depending on the customer's requirements
 - No special tool required, the user simply needs to use standard screwdriver to operate
- ▶ Capacity:
 - Gauge range 0.4 to 1.0mm ϕ
 - Insulation diameter 5mm max ϕ
- ▶ Material:
 - Housing body: Transparent polycarbonate VO glass-fiber reinforced polycarbonate
 - Insertion contacts: Tinned phosphor bronze
- ▶ Packing information: Supplied in a box of 10

Features & Benefits	Application
<ul style="list-style-type: none"> ● Compact ● Easy to use ● No special tool required 	<ul style="list-style-type: none"> ● Interface boxes in underground / aerial networks ● Distribution Points ● Customer termination devices
Ordering Information: C-CON-DC-005	

VX Module - Subscriber Terminal Block System



Description

- ▶ Operation:
 - The VX module block system is a highly reliable connection module designed to withstand any climate.
 - The watertight design provides top-quality service for interface boxes of UC and aerial networks, distribution points and customer termination devices.
 - Ideal for replacing existing worn or damaged blocks, as it fits on DIN 25 rails, has compact overall dimensions and requires just a standard screwdriver to operate
- ▶ Capacity:
 - Gauge range 0.4 to 1.0mm ϕ
 - Insulation diameter 5mm max ϕ
- ▶ Material:
 - Housing body: Transparent polycarbonate VO glass-fiber reinforced polycarbonate
 - Insertion contacts: Tinned phosphor bronze
- ▶ Packing information: Supplied in a box of 10

Features & Benefits	Application
<ul style="list-style-type: none"> ● Compact ● Easy to use ● No special tool required 	<ul style="list-style-type: none"> ● Interface boxes in underground / aerial networks ● Distribution Points ● Customer termination devices
Ordering Information: C-CON-DC-006	

BT41 - UY4C Connector



Description

- ▶ Operation:
 - Easy to use tool-less gel-filled connector
 - Connectors can be easily opened and reopened by hand for visual verification or testing with 6A test clips
 - The UY4C accommodates a wide range of conductor diameters in straight-splice and half-tap configurations, and the pair-per-connector design produces smaller, neater splice bundles
 - Accessories include 2 way and 3 way cradles
- ▶ Capacity: 2 wires in and 2 wire out. Compatible with a maximum insulation diameter of 1.5mm and the following ranges of conductor diameters: 0.4mm; 0.5mm; 0.63mm and 0.9mm
- ▶ Material:
 - Body & Cover: Polycarbonate
 - Contact: Phosphorous Bronze
 - Gel Filling compound: with superior thermal, oxidative and hydrolytic stability
- ▶ Packing information: Supplied in a box of 100

Features & Benefits	Application
<ul style="list-style-type: none"> • Compact • Easy to use • Tool-less 	<ul style="list-style-type: none"> • Cable Splicing • Connects the line wire and subscriber wire in series and makes a parallel connection. • Ideally suited to uplift work through any skilled engineer replacing legacy connectors, therefore there is minimum disruption to service.
Ordering Information: C-CON-DC-007	

2A - Drop Wire Connector



Description

- ▶ Operation:
 - Versatile In-Line Full pair drop wire connector for splicing different types of drop wires
 - Encapsulated with gel-filling for environmental resistance
 - Designed with pre-crimp feature to hold the wires in place before final crimping
- ▶ Capacity: 2 wire connector. Accepts copper or copper-coated steel conductors with diameters from 0.9 mm to 1.3 mm
- ▶ Material:
 - Body & Cover: Polycarbonate
 - Contact: Phosphorous Bronze
 - Gel Filling compound: with superior thermal, oxidative and hydrolytic stability
- ▶ Packing information: Supplied in a box of 100

Features & Benefits	Application
<ul style="list-style-type: none"> • Compact • Easy to use • Durable 	<ul style="list-style-type: none"> • Aerial connection between 2 solid dropwires. • It insulates and provides moisture protection to the connection
Ordering Information: C-CON-DC-008	

Cable Splicing Connector Range















Description

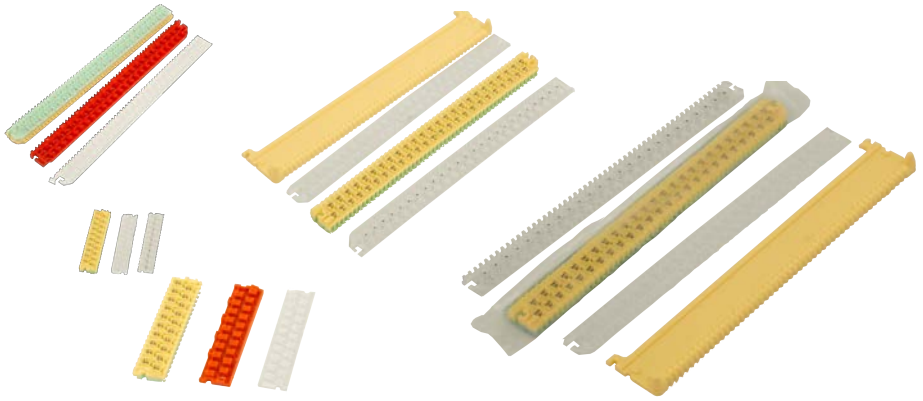
- ▶ Operation:
 - Full range of cable splicing connectors that can be customized to meet customer's application.
 - Designed and built around proven Insulation Displacement Connection (IDC) technology
 - Endures harsh climatic conditions. A single crimp displaces the insulation and provides a cold solder equivalent connection, delivering low contact resistance.
 - Available in different types and versions for all splicing applications and solutions. The connector covers are color coded for easy identification
 - Full range of products with 2 or 3 wires for straight, half tap or bridge splicing.
- ▶ Capacity: various, depending on customer's requirement
- ▶ Material: multiple different types can be used depending on customer's requirement. Can come with or without gel-filling
- ▶ Packing information: supplied in any box size required

Features & Benefits	Application
<ul style="list-style-type: none"> • Full range of products with 2 or 3 wires for straight, half tap or bridge splicing • The 2C & 2P series connectors accept a wide copper conductor wire range from 0.32 to 0.90 mm 	<ul style="list-style-type: none"> • Cable Splicing
Ordering Information: C-CON-DC-009	

Ordering Information

Product	Part No.	Feature	Color code	Wire size in mm	Insulation Type
	UY C	2 wire, filled connector with Polycarbonate body.	Yellow	Conductor 0.32-7. Insulation O.D max 1.52	PIC, pulp or paper
	UY P	Similar to UY C, but made of Polypropylene for solvent resistance. Most economical.	Yellow	Conductor 0.32-7. Insulation O.D max 1.52	PIC, pulp or paper
	UY2 P	Full wire range, 2 wire, filled, Polypropylene connector. Best suited for general application.	Yellow	Conductor 0.32-9. Insulation O.D max 2.08	PIC, pulp or paper
	UY2 PD	Dry version of UY2 P, for specific application. (no sealant filling)	White	Conductor 0.32-9. Insulation O.D max 2.08	Unfilled PIC, pulp or paper
	UY2 C	New version of UY2 P made of Polycarbonate plastic, 2 wire, full wire range and filled with sealant.	Yellow	Conductor 0.32-9. Insulation O.D max 2.08	PIC, pulp or paper
	UR C	A 3 wire, filled connector, for straight or bridge splicing, made of Polycarbonate	Red	Conductor 0.32-7. Insulation O.D max 1.52	PIC, pulp or paper
	UR2 P	3 wire, filled, full wire range connector made of Polypropylene for straight or bridge splicing	Red	Conductor 0.32-9. Insulation O.D max 2.08	PIC, pulp or paper
	UR2 PD	Dry version of UR2 P, made of Polypropylene for pressurized joints or specific application.	White	Conductor 0.32-9. Insulation O.D max 2.08	Unfilled PIC, pulp or paper
	UR2 C	A new version of UR2 P, filled connector made of Polycarbonate, for special application needs	Red	Conductor 0.32-9. Insulation O.D max 2.08	PIC, pulp or paper
	UB C & UB D	Tapping connector with pre-crimp feature for transfer without service interruption. UB C - filled and UB D is the dry version.	C-Blue D- White	Conductor 0.32-7. Insulation O.D max 1.30	UB C for jelly filled UB D for paper
	UB2 P & UB2 PD	Tapping connector made of polypropylene similar to UB C, for transfer without service interruption. UB C - Filled and UB D is dry version.	P-Blue PD- White	Conductor 0.32-9. Insulation O.D max 2.08mm	UB2 P for jelly filled UB2 PD for paper or pulp
	UG C	The UG C made of Polycarbonate is filled, tap connector with double contact and accepts larger cable diameters.	Green	Conductor 0.32-9. Insulation O.D max 1.7	PIC, pulp or paper

Modular Splicing Connector Range



Description

- ▶ **Operation:**
 - Test access ports make it easy to test conductor pairs, while the pluggable module allows for bridge splicing, to rearrange or transfer working lines without interrupting service
 - Splicing of cables are simplified by the use of Splicing Rigs. Simple set-up, systematic and accurate splicing procedure considerably reduces time and effort, resulting in huge savings.
 - Prefilled modules protect connections from humidity and condensation, and spliced connectors applied with Sealant Box offer excellent moisture and water resistance
- ▶ **Capacity:**
 - 25-Pair modular connectors connect multiple pairs of conductors with a single crimp
 - 10-Pair modular connectors accommodate conductors from 0.32 mm to 0.90 mm in diameter
- ▶ **Material:** multiple different types can be used depending on customer's requirement.
- ▶ Can come with or without gel-filling
- ▶ **Packing information:** Supplied 100 connectors per box

Features & Benefits	Application
<ul style="list-style-type: none"> ● Compact: compact construction of the connector minimizes the splice bundle diameter and reduces the cost of splice closures, thereby maximizing your benefits ● High efficiency: Single crimp connects multiple pairs of conductors. ● Easy to use: Built-in blades trim excess wire while crimping, and insulation displacement connection (IDC) provides a solder-equivalent joint without needing to strip the insulation 	<ul style="list-style-type: none"> ● Cable Splicing at high efficiency: Simple setup and systematic, accurate splicing procedure, easy-to-use splicing rigs save time, effort and cost
Ordering Information: C-CON-MC-001	

Ordering Information

25 Pair Connectors

Product	Part No.	Description/ Feature	Insulation	Cover	Body	Base
	25 SD	Dry Connector	PIC, paper or pulp	Yellow	Yellow/ Gold	Gold
	25 SDTH*	In line Testing		Clear		Clear
	25 SF	Filled connector for moisture protection	PIC filled	Yellow		Gold
	25 SF-T*			Clear		Clear
	25 SX	Dry connector with sealantbox for water proof splicing	PIC filled	Yellow	Gold	
	25 SX-T			Clear	Clear	
*Note: Part no. with suffix "T" denotes transparent cover & base. Part no. with "H" denotes base with test holes.						
	25 HD	Dry connector	PIC, paper or pulp	Yellow	Yellow/ Green	Green
	25 HD-T	Visual Inspection		Clear		Clear
	25 HF	Filled connector for moisture protection	PIC filled	Yellow		Green
	25 HF-T			Clear		Clear
	25 PD	Dry Connector	PIC, paper or pulp	Yellow	Yellow/ Blue	Red
	25 PD-T	Visual Inspection		Clear		
	25 PF	Filled connector for moisture protection	PIC filled	Yellow		
	25 PF-T			Clear		

Sealing Boxes

Product	Part No.	Description/ Feature	Insulation
	25 SB	With 25 SD, SD-T or 25 HD after cutting of wires	For water proof jointing of non-pressurized PIC filled cables
	25 PB-1*	With 25 PD or PD-T	
	25 PB-2	With 25 PD + 25 SD	
	25 PB-3*	With two 25 PD	

Ordering Information

10 Pair Connectors

Product	Part No.	Description/ Feature	Insulation	Cover	Body	Base
	10 SD	Dry Connector	PIC, paper or pulp	Yellow	Yellow/ Gold	Gold
	10 SD-T*	Visual Inspection		Clear		Clear
	10 SF	Filled connector for moisture protection	PIC filled	Yellow		Gold
	10 SF-T			Clear		Clear
	10 SX	Dry connector with sealant box for water proof splicing	PIC filled	Yellow		Gold
	10 SX-T			Clear		Clear
*Note: Part no. with suffix "T" denotes transparent cover & base. Part no. with "H" denotes base with test holes.						
	10 HD	Dry connector	PIC, paper or pulp	Yellow	Yellow/ Green	Green
	10 HD-T	Visual Inspection		Clear		Clear
	10 HF	Filled connector for moisture protection	PIC filled	Yellow		Green
	10 HF-T			Clear		Clear
	10 PD	Dry Connector	PIC, paper or pulp	Yellow	Yellow/ Blue	Red
	10 PD-T	Visual Inspection		Clear		
	10 PF	Filled connector for moisture protection	PIC filled	Yellow		
	10 PF-T			Clear		

Sealing Boxes

Product	Part No.	Description/ Feature	Insulation
	10 SB	With 10 SD, SD-T or 10 HD after cutting of wires	For water proof jointing of non-pressurized PIC filled cables.
	10 PB-1*	With 10 PD or PD-T	
	10 PB-2	With 10 PD + 10 SD	
		With two 25 PD	

2.6 Heatshrink

- Established technology used for many years with carriers globally.
- Fully tested and approved.
- Full range of pressurised and unpressurised closures in all sizes.
- Airlock closure is also available.
- Closures accompanied by full range of accessories.



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Non-pressurised Heatshrink



Description

- ▶ Water proof rating: IP68 (for underground un-pressurised telecom network)
- ▶ Cable entry and sealing: through sides of closure. Sealing achieved through flame being applied to heatshrink material.
- ▶ Capacity: Multiple capacities offered - up to 200 pairs
- ▶ Operation:
 - Heat-shrinkable joint closure
 - Excellent mechanical and environmental protects joints in the un-pressurised access network: aerial, buried or ducted, non filled or jelly filled, with polyethylene, lead, steel or aluminium sheaths
 - Metal cannister protects the splice bundle

Features & Benefits	Application
<ul style="list-style-type: none"> • Excellent environmental and mechanical characteristics 	<ul style="list-style-type: none"> • Un-pressurised access network: aerial, buried or ducted, non filled or Gel filled, with polyethylene, lead, steel or aluminium sheaths
Ordering Information: C-HS-NP	

Ordering Information

Code	Splice Bundle Diameter (D) (mm)	Cable Diameter (d) (mm)	Max Joint Gap (L) (mm)	Sleeve Length (S) (mm)
43/8-100	43	8	100	345
43/8-150	43	8	150	400
43/8-200	43	8	200	450
43/8-240	43	8	240	445
43/8-350	43	8	350	600
43/8-500	43	8	500	755
55/12-240	55	12	240	450
75/15-240	75	15	240	495
75/15-250	75	15	250	505
75/15-340	75	15	340	590
75/15-400	75	15	400	650
75/15-500	75	15	500	710
75/15-600	75	15	600	860
92/25-300	92	25	300	665
92/25-500	92	25	500	830
92/25-600	92	25	600	985
122/30-300	122	30	300	680
122/30-500	122	30	500	860
122/30-650	122	30	650	1010
160/42-500	160	42	500	920
160/42-720	160	42	720	1100
200/50-500	200	50	500	940
200/50-720	200	50	720	1120

Pressurised Heatshrink



Description

- ▶ Water proof rating: IP68 (for underground pressurised telecom network)
- ▶ Cable entry and sealing: through sides of closure. Sealing achieved through flame being applied to heatshrink material.
- ▶ Capacity: multiple capacities offered
- ▶ Operation:
 - High performance heat-shrinkable closure for pressurised applications
 - Excellent mechanical and environmental protection of joints in the pressurised access network.
 - Suitable for aerial, buried and ducted applications
 - Applicable for polyethylene and metal jacketed cables
 - Pre-installed valve for pressure access and measuring
 - Suitable for use with all standard connector systems
 - Wraparound closure suitable for both maintenance and new construction
 - Interchangeable air valve/connector

Features & Benefits	Application
<ul style="list-style-type: none"> • Excellent environmental and mechanical characteristics 	<ul style="list-style-type: none"> • Pressurised access network - aerial, buried and ducted applications
Ordering Information: C-HS-P	

Ordering Information

Code	Splice Bundle Diameter (D) (mm)	Cable Diameter (d) (mm)	Max Joint Gap (L) (mm)	Sleeve Length (S) (mm)	Max diameter of Branch Cables		
					2 out		3 out
62/15-350	62	15	350	670	52	40	N/A
62/15-500	62	15	500	850	52	40	N/A
62/15-650	62	15	650	1000	52	40	N/A
92/30-350	92	30	350	690	82	70	58
92/30-500	92	30	500	850	82	70	58
92/30-650	92	30	650	1000	82	70	58
122/38-500	122	38	500	80	112	100	88
122/38-650	122	38	650	1020	112	100	88
160/55-300	160	55	300	790	142	130	118
160/55-500	160	55	500	970	142	130	118
160/55-650	160	55	650	1060	142	130	118
160/55-720	160	55	720	1150	142	130	118
160/55-900	160	55	900	1380	142	130	118
200/65-720	200	65	720	1150	172	160	148
200/65-900	200	65	900	1380	172	160	148

Heatshrink - Tubular Sleeve



Description

- ▶ Water proof rating: IP68 submersible
- ▶ Sealing mechanism: flame applied to heatshrink material
- ▶ Capacity: multiple sizes available for low pair count cable
- ▶ Operation: Heat shrink tubular sleeve, air pressure or water block for low pair count cable.

Features & Benefits	Application
<ul style="list-style-type: none"> ● Excellent environmental and mechanical characteristics 	<ul style="list-style-type: none"> ● Pressurised access network - aerial, buried and ducted applications
Ordering Information: C-HS-TS	

Heatshrink - Cap ended



Description

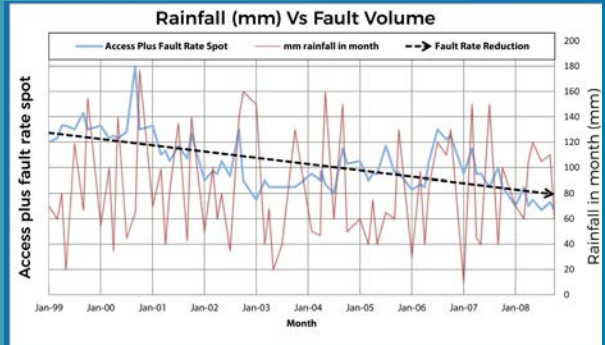
- ▶ Water proof rating: IP68 submersible
- ▶ Sealing mechanism: flame applied to heatshrink material
- ▶ Capacity: multiple sizes available
- ▶ Operation:
 - Heat-shrink End Cap available in multiple sizes
 - Can be supplied with / without Schrader valve
 - Used to seal plastic cable ends
 - Thin to medium wall tube
 - Adhesively lined

Features & Benefits	Application
<ul style="list-style-type: none"> ● Excellent environmental and mechanical characteristics 	<ul style="list-style-type: none"> ● Cable sealing
Ordering Information: C-HS-CE	

2.7 Sealants

Developed for specific customer applications to suit for user environmental conditions

- Greater than 60% of legacy closures are open to moisture.
- Uneconomic and practically impossible to remove all leaking closures.
- Closure sealant 10B, seals closures quickly and easily.
- Recommend to seal all closures as work as usual or on programmed work as basic fundamental engineering.



Trend Reduction in Fault by 20%

Stability of the Network

No spikes in faults during heavy rains





- Dexbond Closure Sealant 10B
- Dexblock Airlock
- Cabinet Base Resin
- Duct Sealant 14B
- Pole Repair Sealant
- 9B Fibre Closure Sealant



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Sealants

	Closure Sealant	Airblock	Moisture Barrier	Pole/Cavity Sealant
Sealant Type				
Product Range	<ul style="list-style-type: none"> 1) Dexbond 2) 9B Sealant 	<ul style="list-style-type: none"> 1) Dexblock 2) PBCS 3) Vertical Cones Airblock 	<ul style="list-style-type: none"> 1) 6C - Resin for Sealing the Base of Cabinets 	<ul style="list-style-type: none"> 1) Pole Sealant
Purpose	<ul style="list-style-type: none"> 1) Seal around cables 2) Physical barrier for components housed within closure 3) Cable Retention 	<ul style="list-style-type: none"> 1) Physical block / barrier against moisture / water / contamination / air / gases 2) Can be installed horizontally or vertically 	<ul style="list-style-type: none"> 1) Physical block / barrier against moisture / water / contamination / air / gases 2) Can be installed horizontally or vertically 	<ul style="list-style-type: none"> 1) Seal cavities to provide additional structural integrity 2) Prevent ingress of contamination

2B - Airblock compound



Description

- ▶ Resin pack 2B is a two-component polyurethane compound specially formulated to construct horizontal and vertical air blocks in pressurised telecommunication cables

Features & Benefits	Application
<ul style="list-style-type: none"> • Easy to use: through caulking gun and nozzle application • Rapid Curing: ensures cost effective installation 	<ul style="list-style-type: none"> • Forms horizontal and vertical air blocks in cables
Ordering Information: SL-SEA-001	

6B - Water Block / Cabinet Base Resin



Description

- ▶ Resin pack 6B is a two-component polyurethane compound formulated specifically to seal the concrete bases of cabinets against moisture ingress and other contamination

Features & Benefits	Application
<ul style="list-style-type: none"> • Easy to use: mix 2 part solution together and spread on base of cabinet to form environmentally protected screed • Rapid Curing: ensures cost effective installation 	<ul style="list-style-type: none"> • Moisture and contamination barrier
Ordering Information: SL-SEA-002	

10B - Dexbond Joint Closure sealant



Description

- ▶ Overview: Dexbond 10B sealant is a unique polyurethane sealant that ensures telecommunications joints and cables are effectively sealed against the ingress of water and water vapour.
- ▶ Operation:
 - Dispensed from a hermetically sealed coaxial cartridge system, the Dexbond sealant becomes an inert and safe material once mixed through the mixing nozzle and applied
 - A specially developed re-sealable coaxial cartridge enables greater control over application and reduces waste
 - Closure types: The sealant can be used to seal optical fibre cables and heat shrinkable ported base closures and with resin-filled closures of all shapes and sizes
 - Repair: Dexbond 10B is ideal for repair of leaking closures of all shapes and sizes

Features & Benefits	Application
<ul style="list-style-type: none"> • Easy to use: Dexbond cures quickly after dispensing, permitting joint closures to be flash-tested to prove integrity • Rapid curing: The sealant becomes tack-free quickly at ambient temperatures 	<ul style="list-style-type: none"> • Moisture and air barrier • Closure sealant • Duct sealant
Ordering Information: SL-SEA-003	

Pole Repair Sealant



Description

- ▶ Varying environmental conditions can weaken wooden utility poles over time, leading to connection failure and disrupted service to customers.
- ▶ Rapid-cure pole resin repair sealant strengthens existing poles, avoiding the cost of installing replacements

Features & Benefits	Application
<ul style="list-style-type: none"> • Easy to use • Rapid Curing 	<ul style="list-style-type: none"> • Wooden telecom pole repair
Ordering Information: SL-SEA-005	

20D Joint Closure Sealant






Description

- ▶ Fast Closure Sealant 20D is a yellow coloured sealant for the following applications:
- ▶ 1. Repairing by top up sealing of cable ports in all sizes of PVC, Legacy H/S OJss and Dexgreen Neptune Closures.
- ▶ 2. New Grease Cable Insertion in all existing closures including PVC, Legacy H/S OJ and existing Neptune Closures where a spare port exists.

Features & Benefits	Application
<ul style="list-style-type: none"> ● Easy-to-use: 20D cures rapidly after dispensing, therefore reducing installation time ● Rapid curing: The sealant becomes tack-free quickly at ambient temperatures 	<ul style="list-style-type: none"> ● Moisture and air barrier ● Closure sealant ● Duct sealant
Ordering Information: SL-SEA-007	

Sealant Accessories

Code	Description	Product
SL-ACC-001	Used to dispense sealant cartridges	Caulking gun 
SL-ACC-002	Used to dispense duplex sealant cartridges	Duplex Caulking gun 
SL-ACC-003	Nozzle pack is required to provide spare nozzles and accessories for 10B sealant to avoid wastage of sealants. Multiple application of sealants from the same cartridge require a new nozzle	Nozzle Pack 

2.8 Test Equipment

- **One Tester for all copper testing.**
- **Full range of test functions for all appropriate copper testing.**
- **Simple, easy to use for all skill levels.**
- **Bluetooth module test instrument.**
- **Test data can be uploaded to a central server via a new Mobile application.**



HT 1000

Universal Test Adapter

- Universal test Adapter
- One test instrument for quante, Krone Modules, and LSA-TI.
- Facilitates ease of testing for technicians.
- Competitively priced.



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HT1000 Copper Wire Analyser



Description

- ▶ Overview: The HT1000 handheld instrument offers copper wire provisioning and maintenance technicians the most critical tests at the touch of a button.
- ▶ Reliable rugged and versatile: The durable, water resistant design, 1/4 VGA LCD screen and powerful backlight let you work with confidence in any environment.
- ▶ Operation:
 - Technicians can select up to seven auto tests and use the integrated incremental pair test program.
 - The HT1000 offers 200 pair pre-/post-test storage and a USB port to download updates and upload test result data, and uses either AC or DC power.
 - The noise finder uses a 30 MHz spectrum analysis.

Features & Benefits	Application
<ul style="list-style-type: none"> • Reliable rugged and versatile • Mobile app accompanies the product • High range of test functions available • Quick use: Can be programmed for auto-test 	<ul style="list-style-type: none"> • Copper telecoms network testing
Ordering Information: C-TE-001	

Mimtel tester



Description

- ▶ The Mimtel 444B device provides a simple audio output when detecting electromagnetic signals, which can cause interference to communications services

Features & Benefits	Application
<ul style="list-style-type: none"> • Easy to use • Compact 	<ul style="list-style-type: none"> • Telecoms network testing
Ordering Information: C-TE-002	

SmartSwitch



ADDITIONAL TEST LEADS ARE ALSO AVAILABLE, INCLUDING:

- PSTN Test Lead 104933
- ECM Test Lead 104934
- 25-Pair Bix Test Lead 104935

General Operation

The SmartSwitch Test Adapter with the appropriate plug can be used with any test, measure or fault location instrument that is fitted with suitably protected 4mm, male banana plugs that will not exceed the specifications of this lead.

Main Features

The SmartSwitch Test Adapter allows the connection of any standard test instrument to a telecommunication or data network via:

- Line Access, non-interrupting, Monitoring
- Access to the Exchange side by simple switching, without changing lead connections
- Access to the Customer side by simple switching, without changing lead connections
- Access to both the Exchange and Customer individually at the same time by simple switching, without changing lead connections
- Safety of the operator from non-standard, dangerous voltages on the line

Features & Benefits	Application
<ul style="list-style-type: none"> • Saves cost: One single test instrument for all connectors in network 	<ul style="list-style-type: none"> • Telecoms network testing

Ordering Information: C-TE-003

2.9 Miscellaneous Products



Full range of network consumable items offered

These items can be sourced or have custom designs performed on them.

Examples include:

- **Batteries**
- **General tools and accessories**
- **Cable ties**
- **Duct Seals**
- **Cleaning materials**

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Duct Plugs



Description

- ▶ Overview: Prevents air/water ingress entering 2-pair duct from joint boxes, which can cause corrosion of the NT (sockets).
- ▶ Provides re-openable gas / water block: Dampness at ETU/Sockets causes low insulation A wire to B wire and also earth faults
- ▶ Multiple sizes available: Duct Plug available in 25mm; 28mm; 32mm and 37mm in packs of 10

Features & Benefits	Application
<ul style="list-style-type: none"> ● Quick and easy to install: aids compliance of installation and avoids use of putty duct seal or mastics sealants which are messy, slow and not as effective ● Wide range of sizes available 	<ul style="list-style-type: none"> ● Duct sealing at cable interfaces with joints
Ordering Information: C-MIS-001	

Roll Springs



Description

- ▶ Overview: Constant Pressure Roll Springs can be supplied in a range of sizes specifically designed to meet the demands of the cable jointing industry
- ▶ Application: The springs are used to wrap around the earthing straps in cable joints by holding the earthing strap securely at each end
- ▶ Material: manufactured from high tensile stainless steels in order to provide the desired spring force. The ends of the springs are rounded and if desired can be raised slightly thus easing handling and assembly

Features & Benefits	Application
<ul style="list-style-type: none"> ● Wide range of sizes available ● Easy to use 	<ul style="list-style-type: none"> ● Cable jointing
Ordering Information: C-MIS-002	

Lined Mesh



Description

- ▶ Used for earthing on tower structures of antenna feeder cables

Features & Benefits	Application
<ul style="list-style-type: none"> • Easy to use 	<ul style="list-style-type: none"> • Earthing
Ordering Information: C-MIS-003	

PF Wipes



Description

- ▶ Overview: PF Solvent is a full strength solvent degreaser for cable cleaning prior to jointing, maintenance of cables, switchgear, network equipment and electrical equipment cleaning and degreasing.
- ▶ Application:
 - It is suitable for use on high, medium and low voltage applications and leaves no residue after complete evaporation
 - Available in liquid and impregnated wipes including single wipe sachets specifically designed for jointing kits
- ▶ Operation
 - Full resin adhesion to joint surfaces eliminates moisture ingress
 - Reduced installation faults ensure maximum cable life High voltage approved (up to 440KV)

Features & Benefits	Application
<ul style="list-style-type: none"> • Improves Health & Safety; reduces worker exposure to hazardous substances 	<ul style="list-style-type: none"> • Cable cleaning and de-greasing
Ordering Information: C-MIS-004	

Absorberpole



Description

- ▶ Overview: Simple and cost effective solution to remove humidity from cabinets
- ▶ Maintaining the Cabinet Moisture Free is very Important, using Silica Gel is not always practical
- ▶ Application:
 - Desiccant to remove moisture from cabinets
- ▶ Operation
 - Simply place into cabinet. Multiple sizes available
 - Line fault due to moisture can be significantly reduced by installing the Absorberpole product into cabinet

Features & Benefits	Application
<ul style="list-style-type: none"> ● Simple cost-effective solution to remove moisture from cabinets 	<ul style="list-style-type: none"> ● Moisture removal in cabinets
Ordering Information: C-MIS-005	



Overview

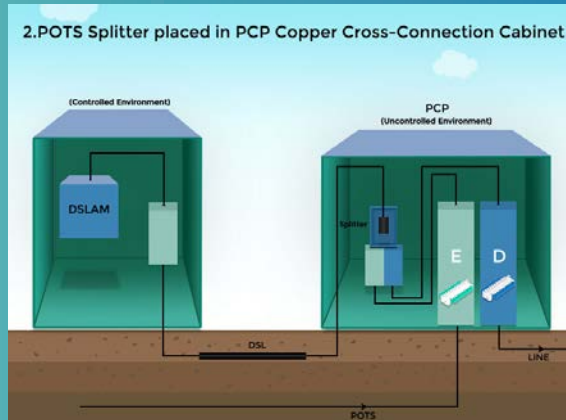
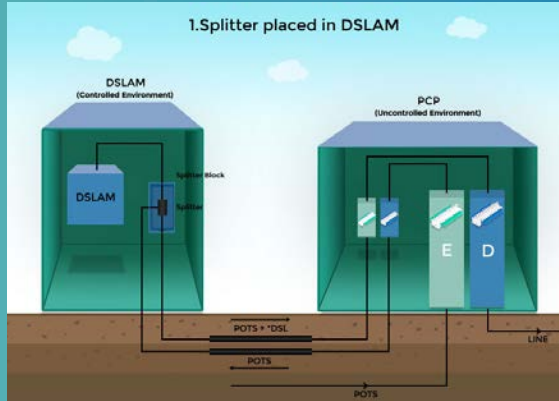
- ▶ Product: PP Fibre Rope
- ▶ Colour: Blue (w/white mark)
- ▶ Construction: 3 strands
- ▶ Composition:
 - Polynesians (PP/PEHD)
 - UV Inhibitor
 - Colour Masterbatch



	DEX-PPR-04	DEX-PPR-08	DEX-PPR-12	DEX-PPR-16
Diameter	4mm	8mm	12mm	16mm
Product Information				
Weight/ coil (kg)	1.43	7.4	12	20.5
Length/ coil (m)	220	220	220	220
Technical Information				
Characteristics	Value	Value	Value	Value
Linear Density (gram/ m)	6.5	33.6	54.5	93.2
Tensile Strength (kN)	2.8	10	22	38
Further Information				
<i>This product is produced and tested according to European standards EN ISO 1345-Fibre Ropes-PP Split Film, monofilament and multifilament (PP2) and Polypropylene high-density multifilament (PP3) - 3, 4 and 8 strand ropes.</i>				

2.10 xDSL POTS splitters

Products

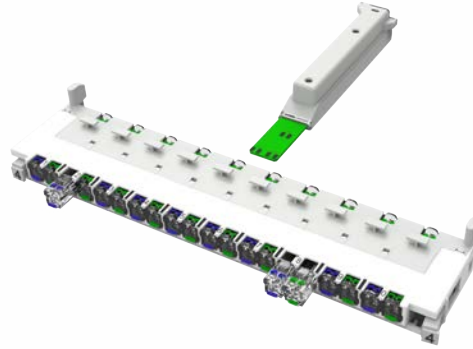


Full range of xDSL POTS splitters to suit a range of requirements for operators

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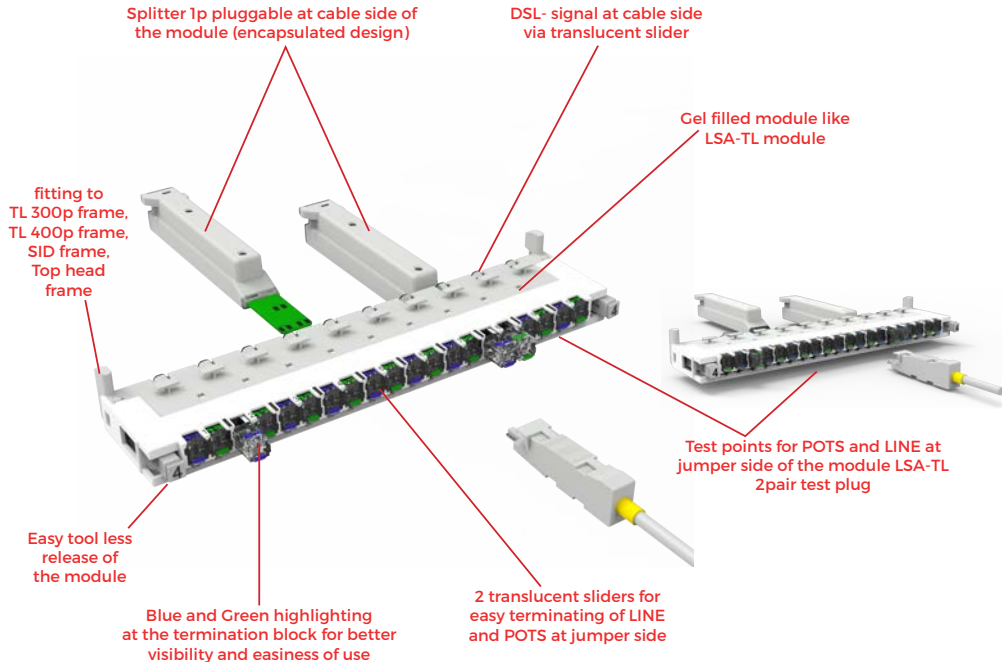
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2.10.1 PCP 10 pair VDSL gfast splitter



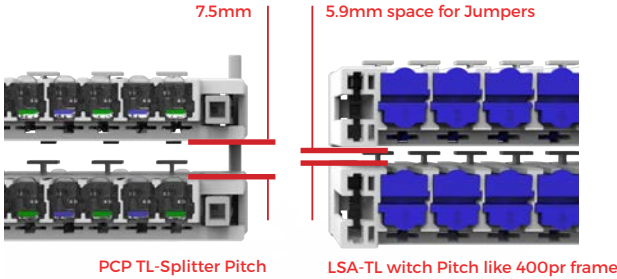
Description

The new Dexgreen PCP Splitter System has been designed to be installed in the PCP rather than the DSLAM. Only one tie cable is required between the PCP and the DSLAM. The splitter block fitted in the PCP has the same electrical performance characteristics as the splitters currently fitted in the DSLAM. The Dexgreen Splitter block will comply to the same operating conditions as met by our existing PCP Tool Less Connector System.



2.10.1 PCP 10 pair VDSL gfast splitter - continued

Extended Spcae for Jumperwire



Due the doubled amount of jumper wires (20p for LINE and POTS) we need more space to store and route them.

Separated test point for POTS and LINE at jumperside



Test points for measurement of LINE (blue) and POTS (green) at the jumper side of the module for each pair installed. This helps to analyse connectivity problems and reduce repair time.

Tool less release of the module

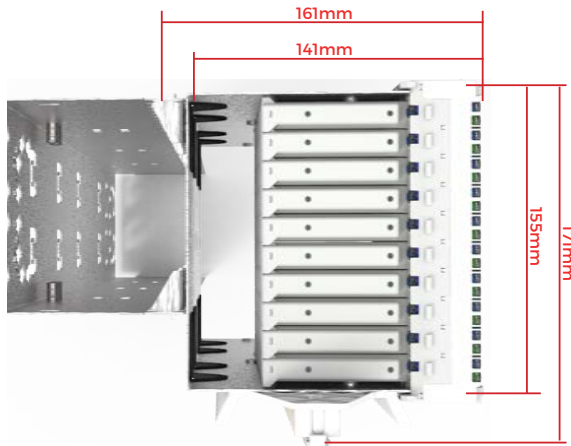


Locked Closed

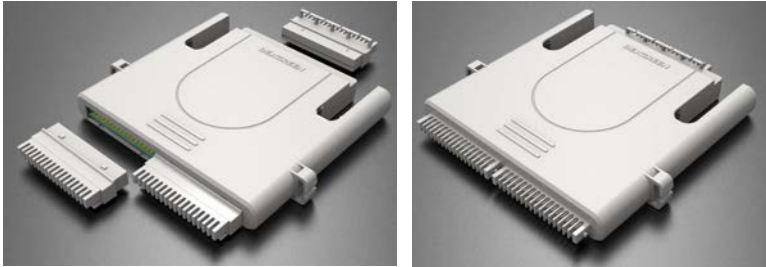


Unlocked Open

Dimensions



2.10.2 8 port VDSL POTS splitter



Description

- **Overview:**
 - 8 port Maintenance and New Work VDSL Splitter for the use in Primary Connection Point copper cabinets in the external access network
 - Designed to attach on standard 95mm mounting profile systems
 - Compact high density design
 - All connectors are terminated using a standard IDC Punch Down Tool
- **Connections:**
 - **Front:** POTS and Customer LINE
 - **Back:** DSL
- **Two types available:**
 - Maintenance unit – IDC contacts are removable (NOTE: IDC contacts are not provided with this product)
 - New Work unit – IDC contacts are permanently fixed to the housing

Technical Specification

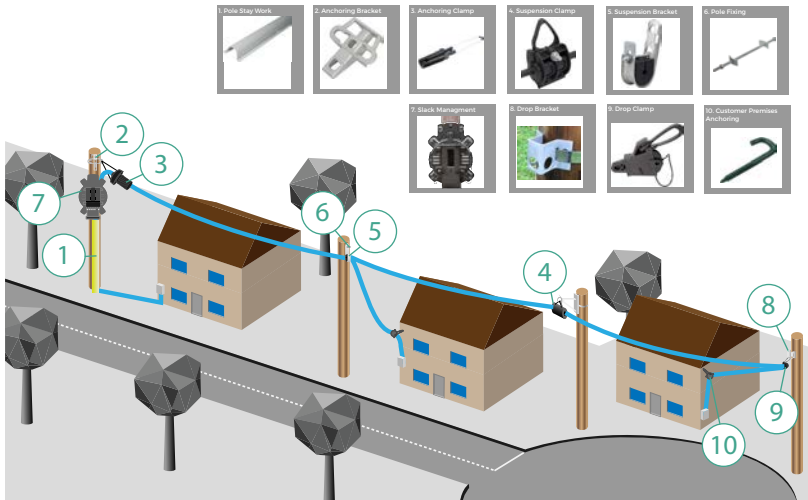
- **Electrical Specification**
ETSI TS 101 952-1 V1.1.1 (2009-06) Option A & B– Access network xDSL splitters for European deployment. Part 1: Generic specification of xDSL over POTS splitters
- **Environmental Specification**
ETSI EN 300 019-2-4 V2.2.1 (2003-03) - Environmental Engineering (EE); Environmental conditions and environmental tests for telecommunications equipment; Part 2-4: Specification of environmental tests; Stationary use at non-weather protected locations

Ordering Information

Code	Description
MTC	Cab 8-port VDSL splitter – nonIDC version
NEW	Cab 8-port VDSL splitter with soldered IDC

3.0 Aerial Pole Furniture

Full range of pole hardware to suit all types of aerial FTTH networks



Overview




- Full range of aerial brackets, clamps, fixings and general accessories suitable for all types of aerial networks.
- Dexgreen works in partnership with Dexgreen Networks to ensure carriers specify the most fit for purpose pole fittings.

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3.1 Pole Stay Work and Fixings



3.1.1 Pole Fitting for Stay Work

Description	Code	Picture	Model	Designation
Full range of Anchoring Brackets and Fixing Points	0151		7/05	Pin-type steel plate
	0098		UPB	Universal pole bracket
	0170		SH600	Straight hackle 10 mm - UTS 900 daN

3.1.2 Turnbuckle, Thimble and Stay Wire

Description	Code	Picture	Model	Designation
Turnbuckle M12 with two eyes. Breaking load of 1600 daN. Thimble C for cables Ø 3 – 8 mm. Stay wire : flexible steel wire used for wood and metal pole stay, 7 twisted strands of dia. 2.1 ±0.1 mm. Breaking load of 1600 daN.	0150		30/04	Turnbuckle 2 eyes M12 - UTS 1000 daN
	0162		30/03	C thimble for wires Ø 3 to 8 mm
	0179		32/21	Stay wire multistrands 1.6 Tons 7 x 2.1 mm / meter
	09121		SW63	Stay wire multistrands 3.0 Tons 7 x 2.1 mm / meter

3.1.3 Cable Plate and Stay Clamp

Description	Code	Picture	Model	Designation
3-bolt cable plate : Dead-ending of stay wire. Stay wire clamp : Hand fitting and adjustment of stay wire tension. Minimum breaking load of 2700 daN	0178		31/01	3-bolt cable plate
	2191		SWC63Y	Bare wire clamp Ø 6.0 to 6.6 mm - rigid ball

3.1.4 Stay Rod and Stay Plate

Description	Code	Picture	Model	Designation
For anchorage of the stay system in the ground.	0180		31/05	Stay rod 14x1650 mm
	0181		31/06	Stay plate Ø 330 mm
	2052		AP200	Stay plate Ø 200 mm

3.1.5 Omega-shape PVC Covers

Description	Code	Picture	Model	Designation
PVC-based covers for the protection of cable down leads on pole or wall. Securing with pole bands or screws. Compliant with the Charpy tests for an impact of 20 J. Three colors available.	2063		GPC12	PVC cover Ø12 mm lg 2 m grey
	2064		GPC12I	PVC cover Ø12 mm lg 2 m ivory
	2259		GPC12M	PVC cover Ø12 mm lg 2 m brown
	2615		GPC35	PVC cover Ø35 mm lg 2.75 m grey
	0053		GPC35I	PVC cover Ø35 mm lg 2.75 m ivory
	0052		GPC35M	PVC cover Ø35 mm lg 2.75 m brown
	2616		GPC60	PVC cover Ø60 mm lg 2.75 m grey
	0056		GPC60I	PVC cover Ø60 mm lg 2.75 m ivory
	0055		GPC60M	PVC cover Ø60 mm lg 2.75 m brown
	0057		GPC90	PVC cover Ø90 mm lg 2.75 m grey
	0059		GPC90I	PVC cover Ø90 mm lg 2.75 m ivory
	0058		GPC90M	PVC cover Ø90 mm lg 2.75 m brown

3.1.6 U-shape Steel Cover

Description	Code	Picture	Model	Designation
Protective covers for the protection of Ø35 mm max. cable down leads on pole or wall. Securing with pole bands or screws. Hot dip galvanized steel material.	0284		67/01	U-shape steel cover Ø35 mm lg 3 m
	0285		BRI67/01	Bridle for U-shape cover
	4959		TH6x40	Stainless steel screws 6x40 mm / Box 100 pcs

3.1.7 Omega-shape Steel Cover

Description	Code	Picture	Model	Designation
Protective covers for the protection of Ø35 mm max. cable down leads on pole or wall. Securing with pole bands or screws. Hot dip galvanized steel material.	09137		N/A	Omega-shape steel cover Ø35 mm lg 3 m

3.1.8 Omega-shape Aluminium Steel Covers


Description	Code	Picture	Model	Designation
Protective covers for the protection of cable down leads on pole or wall. Securing with pole bands or screws. Aluminum-based material.	1250		GPCA35	Omega-shape cover Ø35 mm lg 2.75 m
	1251		GPCA60	Omega-shape cover Ø60 mm lg 2.75 m
	1252		GPCA90	Omega-shape cover Ø90 mm lg 2.75 m

3.1.9 PVC Cable Abrasion Protectors

Description	Code	Picture	Model	Designation
Used to reduce the abrasion of cables with branches of trees (tree guards) and pole hardware accessories. UV resistant black PVC sections available in a variety of diameters, thickness and color - spiral formed in the factory.	6518		GS 8.16	Spiral Cable protector Ø6 mm lg 1 m
	0316		GS 16.2.16	Spiral Cable protector Ø16 mm lg 1 m
	2233		GS 16.2.25	Spiral Cable protector Ø25 mm lg 1 m
	0185		GS 16.2.33	Spiral Cable protector Ø33 mm lg 1 m
	2234		GS 16.2.40	Spiral Cable protector Ø40 mm lg 1 m

3.2.0 Anchoring Brackets



3.2.1 Universal Cross Arm

Description	Code	Picture	Model	Designation
Can be used for the installation of 1 to 6 parallel cables, up to 16 drop wires, outdoor 1 to 10 pairs boxes, suspension clamps 30/34 on wood or metal poles. The CT8 cross-arm bracket can be secured to the pole using a bolt 1/6 and a coach bolt 1/21, alternatively using two 20 mm pole bands.	2068		CT8	Universal cross-arm bracket – 325 mm width


3.2.2 Cross Arms (multiple sizes)

Description	Code	Picture	Model	Designation
Installation of several parallel lines on the pole. Hot dip galvanized steel material.	09214		5/07	Cross-arm 5 holes / 200 mm
	0207		5/14	Cross-arm 11 holes / 440 mm
	1257		5/15	Cross-arm 13 holes / 820 mm
	0148		5/19	Cross-arm 15 holes / 1090 mm

3.2.3 Wooden Pole Steel Plate & Coach Bolt

Description	Code	Picture	Model	Designation
Installation of cross-arms 5/14 & 5/15 on drilled poles. Installed with a 1/16 bolt and a 1/21 coach bolt.	0191		5/16	Wooden pole steel plate
	0190		1/21	Coach bolt

3.2.4 Concrete Pole Steel Plate

Description	Code	Picture	Model	Designation
Installation of cross-arm 5/19 on square concrete poles and of suspension 30/34 on cross-arm. Installed on poles by two 20 mm bands and on cross-arm by 2 bolts 1/12.	0149		5/39	Pole steel plate
	09209		5/39R	Heavy duty pole steel plate

3.2.5 Wooden Pole Steel Plate

Description	Code	Picture	Model	Designation
Installation of cross-arms 5/14 & 5/15 on non-drilled poles. Install on poles using two 20mm steel bands. Note : Alternative to the universal pole bracket.	208		CPB	Wooden pole steel plate

3.2.6 UPB - Universal Pole Bracket

Description	Code	Picture	Model	Designation
<p>Ideal fitting for the installation of 1 to 3 parallel cables, of 5 drop wires, and of stay system on all types of poles. Can serve as a plate for the installation of cross-arms 5/14 and 5/15. Installed on poles with 14 /16 mm bolts or with two 20 mm bands.</p>	0098		UPB	Universal pole bracket

3.2.7 Collar

Description	Code	Picture	Model	Designation
<p>Installation of anchoring clamps and stay systems on poles. Hot dip galvanised steel material.</p>	0278		7/00	Collar for pole Ø 110 mm
	0279		7/01	Collar for pole Ø 135 mm
	1563		7/02	Collar for pole Ø 165 mm

3.2.8 Pole Extender



Description	Code	Picture	Model	Designation
<p>54 cm height. Compatible with 5/07 and 5/14 cross-arms. Secured using steel bands or assembling bolt + coach screw.</p>	09783		REFO2	Pole extender

3.2.9 Aerial Pole Extender Bracket


Description	Code	Picture	Model	Designation
<ul style="list-style-type: none"> · Aerial Pole Extender Bracket for use in the Aerial Access Network. · Designed to install additional fibre optic networks above the existing copper cables or other equipment already installed on the pole. · Multiple fixing options possible · 2 sizes offered - standard / large 	DEX-AER-STD			Extender Bracket
	DEX-AER-LGE			

3.3.0 Anchoring Clamps

3.3.1 ACADSS - Wedge Clamps

Description	Code	Picture	Model	Designation
The Dexgreen anchoring clamps are designed for a fast, easy and reliable dead-ending of fibre optic cables on access networks with spans up to 90m. A pair of wedges grips the cable automatically within the conical body. The installation does not require any specific tools and the operating time is drastically reduced.	09110		ACADSS 6	Anchoring clamps for ADSS FO cable Ø 6 to 8 mm
	1243		ACADSS 8	Anchoring clamps for ADSS FO cable Ø 8 to 10 mm
	09419		ACADSS 12C	Anchoring clamps for ADSS FO cable Ø 10 to 14 mm
	0318		ACADSS 10	Anchoring clamps for ADSS FO cable Ø 8 to 12 mm
	0319		ACADSS 12	Anchoring clamps for ADSS FO cable Ø 10 to 14 mm
	1244		ACADSS 14	Anchoring clamps for ADSS FO cable Ø 12 to 16 mm
	0321		ACADSS 16	Anchoring clamps for ADSS FO cable Ø 14 to 18 mm
	0322		ACADSS 18	Anchoring clamps for ADSS FO cable Ø 16 to 18.5 mm

3.3.2 Helical Dead-ends (without armoured rods)

Description	Code	Picture	Model	Designation
Hot dip galvanized spiral dead-ends for a direct installation on the cable for works on short spans (90 m max.). In addition to this dead-end, various accessories should be ordered separately to complete to complete the pole configuration (thimble, turnbuckle, bracket, etc.)	09060		GSDE 1000	Hot dip galvanised steel dead-end Ø 10.0 to 11.0 mm green
	09050		GSDE 1150	Hot dip galvanised steel dead-end Ø 11.5 to 12.5 mm red
	09051		GSDE 1300	Hot dip galvanised steel dead-end Ø 13.0 to 14.0 mm blue
	09061		GSDE 1450	Hot dip galvanised steel dead-end Ø 14.5 to 15.5 mm black
	09062		GSDE 1600	Hot dip galvanised steel dead-end Ø 16.0 to 17.4 mm brown
	09063		GSDE 1750	Hot dip galvanised steel dead-end Ø 17.5 to 19.0 mm orange

3.3.3 Reinforced Helical Dead-ends (with armoured rods)

Description	Code	Picture	Model	Designation
<p>Hot dip galvanized armoured rods for a direct protection on the cable and a spiral dead-end for anchoring cables on medium spans (180 m max.). In addition to these armoured rods and this dead-end, various accessories should be ordered separately to complete the pole configuration (thimble, turnbuckle, bracket, etc.).</p>	7640		GSDE AR 1050	Hot dip galvanised steel dead end with armoured rod Φ 10.5 to 11.3 mm white
	7641		GSDE AR 1150	Hot dip galvanised steel dead end with armoured rod Φ 11.5 to 12.6 mm yellow
	7642		GSDE AR 1250	Hot dip galvanised steel dead end with armoured rod Φ 12.5 to 13.6 mm black
	7643		GSDE AR 1290	Hot dip galvanised steel dead end with armoured rod Φ 12.9 to 14.0 mm green
	7644		GSDE AR 1350	Hot dip galvanised steel dead end with armoured rod Φ 13.5 to 14.5 mm blue
	7645		GSDE AR 1420	Hot dip galvanised steel dead end with armoured rod Φ 14.2 to 15.2 mm red
	0262		GSDE AR 1530	Hot dip galvanised steel dead end with armoured rod Φ 15.3 to 16.6 mm brown


3.3.4 Reinforced Helical dead-ends (with extra length armoured rods)

Description	Code	Picture	Model	Designation
<p>Hot dip galvanized armoured rods for a direct protection on the cable and a spiral dead-end for anchoring cables on long spans (250 m max.). In addition to these armoured rods and this dead-end, various accessories should be ordered separately to complete the pole configuration (thimble, turnbuckle, bracket, etc.).</p>	0307		GSDEM AR 1620-22	Hot dip galvanised steel dead end with long armoured rod Φ 16.2 mm - RTS 22 kN green
	0264		GSDEM AR 1680-17	Hot dip galvanised steel dead end with long armoured rod Φ 16.8 mm - RTS 17 kN white
	0811		GSDEM AR 1810-27	Hot dip galvanised steel dead end with long armoured rod Φ 18.1 mm - RTS 27 kN blue
	0265		GSDEM AR 1840-17	Hot dip galvanised steel dead end with long armoured rod Φ 18.4 mm - RTS 17 kN yellow
	0581		GSDEM AR 2160-17	Hot dip galvanised steel dead end with long armoured rod Φ 21.6 mm - RTS 17 kN black


3.3.5 Anchoring Clamp (Figure 8 FO cable with steel messenger)

Description	Code	Picture	Model	Designation
These anchoring clamps are made of high strength materials to offer high resistance to mechanical stress and bad weather (humidity, UV radiation). They have the conventional design and performance of the clamps used for figure-8 copper cables. The only difference is the length of the bail, longer in this case, to respect the FO cable bending radius. When the cable is brought to its stringing tension the jaws move forward into the clamp body, cut through the outer sheath to grip directly onto the steel core wires.	0220		PA230V	Anchoring clamps for fig-8 FO cable Ø 3 to 6 mm
	0221		PA550V	Anchoring clamps for fig-8 FO cable Ø 4 to 7 mm
	0222		PA1000V	Anchoring clamps for fig-8 FO cable Ø 6 to 10 mm



3.3.6 Anchoring Clamp (Coaxial or Figure 8 FO cable with metallic / dielectric messenger)

Description	Code	Picture	Model	Designation
These anchoring clamps allow an easy and quick installation of figure-8 cables with all dielectric messengers (Kevlar, FRP) by gripping directly onto the HDPE or MDPE messenger outer sheath. A pair of wedges grips the cable messenger automatically within the conical body.	5673		AC35L 260	Anchoring clamps for fig-8 steel or dielectric FO cable Ø 3 to 6 mm
	5674		AC35L 360	Anchoring clamps for fig-8 steel or dielectric FO cable Ø 3 to 6 mm
	5668		AC68L 260	Anchoring clamps for fig-8 steel or dielectric FO cable Ø 6 to 9 mm
	5669		AC68L 360	Anchoring clamps for fig-8 steel or dielectric FO cable Ø 6 to 9 mm


3.3.7 Anchoring clamp for figure-8 copper cable with steel messenger

Description	Code	Picture	Model	Designation
These anchoring clamps are made of high strength materials to offer high resistance to mechanical stress and bad weather (humidity, UV radiation). When the cable is brought to its stringing tension the jaws move forward into the clamp body, cut through the outer sheath to grip directly onto the steel core wires. The AC series clamp is the latest model with higher breaking load values.	0291		AC6 140	Anchoring clamps for fig-8 copper cable Ø 3 to 6 mm Max. load 250 daN - 140 mm bail
	0334		AC7 200	Anchoring clamps for fig-8 copper cable Ø 4 to 7 mm Max. load 750 daN - 200 mm bail
	0293		AC10 260	Anchoring clamps for fig-8 copper cable Ø 6 to 10 mm Max. load 1500 daN - 260 mm bail

3.3.8 2-Bolt and 3-Bolt Cable Plate for Steel Wires

Description	Code	Picture	Model	Designation
The bolt-type clamps are usually installed for cables with aerial splicing enclosure. A turnbuckle and a thimble are also requested for this dead-end.	0272		30/02	2-bolt cable plate
	0178		31/01	3-bolt cable plate

3.3.9 Automatic Bare Wire Steel Clamps for Steel Wires



Description	Code	Picture	Model	Designation
<p>Dead-ending of stripped steel messengers, bare catenary wires and stay wires. The conical body includes a pair of jaws and springs anchoring system inside. The stay wire or the bare catenary wire is inserted in the clamp body through its smallest opening. Pulling the wire in the opposite direction automatically jams the latter in the body. Insulated models equipped with flexible bails are also available on request. Please contact us.</p>	1932		BWC25	Bare wire clamp Ø 2.3 to 2.7 mm - rigid bail
	0369		BWC47	Bare wire clamp Ø 4.4 to 5.0 mm - rigid bail
	2191		SWC63Y	Bare wire clamp Ø 6.0 to 6.6 mm - rigid bail
	2189		BWC25F	Bare wire clamp Ø 2.3 to 2.7 mm - flexible bail
	2093		BWC47F	Bare wire clamp Ø 4.4 to 5.0 mm - flexible bail
	09083		BWC63F	Bare wire clamp Ø 6.0 to 6.6 mm - flexible bail

3.3.10 Anti-vibration Damper


Description	Code	Picture	Model	Designation
<p>PVC spiral vibration dampers for round ADSS cable on spans between 90 and 250 m. To reduce the natural vibration of the cable, the damper is helically sized to grip the cable on one end and to interact mechanically on the other end.</p>	09719		VIB064	Vibration damper for cable Ø 6.4-8.3 mm
	09139		VIB083	Vibration damper for cable Ø 8.3-11.7 mm
	09140		VIB117	Vibration damper for cable Ø 11.7-14.3 mm
	09138		VIB143	Vibration damper for cable Ø 14.3-19.3 mm

3.4.0 Suspension Clamps

3.4.1 Long span suspension support

Description	Code	Picture	Model	Designation
The DSAL series deliver the suspension of ADSS cables on distribution networks with long spans up to 180 m. The clamp is made from an aluminum alloy shell and a cushion. Weight 0.52 Kg.	09566		DSAL 0850	Aluminum-type ADSS suspension clamp Ø 8.5 to 10.0 mm
	09567		DSAL 1000	Aluminum-type ADSS suspension clamp Ø 10.0 to 11.5 mm
	09568		DSAL 1150	Aluminum-type ADSS suspension clamp Ø 11.5 to 13.0 mm
	09569		DSAL 1300	Aluminum-type ADSS suspension clamp Ø 13.0 to 14.5 mm
	09570		DSAL 1450	Aluminum-type ADSS suspension clamp Ø 14.5 to 16.0 mm
	09571		DSAL 1600	Aluminum-type ADSS suspension clamp Ø 16.0 to 18.5 mm
	09572		DSAL 1750	Aluminum-type ADSS suspension clamp Ø 18.5 to 20.0 mm

3.4.2 Dielectric Suspension

Description	Code	Picture	Model	Designation
The DS series is also used for the suspension of ADSS cables at intermediate poles on cable routes with angle < 20° on access networks (spans up to 100 m)	09215		DS8	Dielectric suspension Ø 8 to 12 mm
	09173		DS12	Dielectric suspension Ø 12 to 15 mm
	09556		DS15	Dielectric suspension Ø 15 to 17 mm

3.4.3 Inline Suspension Belt

Description	Code	Picture	Model	Designation
The SS1025 is used for the suspension of ADSS cables and figure-8 cables. The flexible material used in the manufacture of the SS1025 has a long lifespan and adapts very well to wind-induced vibrations. The SS1025 is installed with a shackle (SH600) on all types of brackets.	1938		SS1025	Suspension belt for ADSS cable
	0170		SH600	Shackle M10

3.4.4 Galvanised Steel helical suspension (without armoured rods)

Description	Code	Picture	Model	Designation
Each helical suspension set includes one helical suspension and one round thimble. Fixing method is a hook bolt.	09064		GSHS 1000	Preformed suspension \varnothing 10.0 to 11.0 mm green
	09052		GSHS 1150	Preformed suspension \varnothing 11.5 to 12.5 mm red
	09053		GSHS 1300	Preformed suspension \varnothing 13.0 to 14.0 mm blue
	09065		GSHS 1450	Preformed suspension \varnothing 14.5 to 15.5 mm black
	09066		GSHS 1600	Preformed suspension \varnothing 16.0 to 17.0 mm brown
	09067		GSHS 1750	Preformed suspension \varnothing 17.5 to 19.0 mm orange



3.4.5 Galvanised Steel helical suspension (with armoured rods)

Description	Code	Picture	Model	Designation
Each helical suspension set includes four armoured rods, one helical suspension and one round thimble. Fixing method is a hook bolt.	7646		GSHS AR 1050	Preformed suspension with reinforced rod \varnothing 10.5 to 11.3 mm white
	7647		GSHS AR 1150	Preformed suspension with reinforced rod \varnothing 11.5 to 12.6 mm yellow
	7648		GSHS AR 1250	Preformed suspension with reinforced rod \varnothing 12.5 to 13.6 mm black
	7649		GSHS AR 1290	Preformed suspension with reinforced rod \varnothing 12.9 to 14.6 mm white
	7650		GSHS AR 1350	Preformed suspension with reinforced rod \varnothing 13.5 to 14.5 mm blue
	7651		GSHS AR 1420	Preformed suspension with reinforced rod \varnothing 14.2 to 15.2 mm blue
	8120		GSHS AR 1530	Preformed suspension with reinforced rod \varnothing 15.3 to 116.6 mm blue


3.4.6 Fixed Straight Suspension Clamp

Description	Code	Picture	Model	Designation
The SC39B clamp has two grooves to cover all messenger sizes from \varnothing 3 to 9 mm. It can be installed either on wooden poles with one securing bolt BH14 or BH16, or on metallic poles with a pole banding fixing kit.	5708		SC39B	Suspension clamp for fig-8 cable \varnothing 3 to 9 mm


3.4.7 Articulated Straight Suspension Clamp

Description	Code	Picture	Model	Designation
The clamps have two grooves to cover all messenger sizes from \varnothing 3 to 7 mm and from \varnothing 7 to 11 mm respectively. They should be installed on hook bolts for free but secured motion	09084		SC37C	Suspension clamp for fig-8 cable \varnothing 3 to 7 mm
	09085		SC711C	Suspension clamp for fig-8 cable \varnothing 7 to 11 mm

3.4.8 Articulated Straight Suspension Clamp

Description	Code	Picture	Model	Designation
Suspension of copper cables. It can be installed using either one traversing bolt or a pole banding fixing kit. The curved grooves improve the cable grip and enable angles up to 25 deg.	0875		30/34	Curved suspension clamp for fig-8 copper cable \varnothing 4 to 9 mm

3.4.9 Suspension ARC

Description	Code	Picture	Model	Designation
Suspension of figure-8 cables in J Hook clamp to prevent the wearing of the cable sheath in the galvanised steel hook. For cables with catenary wires \varnothing 6 to 9 mm.	0168		ARC	ARC suspension clamp for fig-8 copper cable \varnothing 3 to 9 mm
	2080		JR	J-hook bolt-through type
	0103		BH16x 300	Bolt 16x300/140 mm with washer and nut

3.5.0 Suspension Brackets



3.5.1 JHC Suspension Clamp

Description	Code	Picture	Model	Designation
Hook clamps are designed to provide a suspension for 10 to 20 mm aerial ADSS cables at intermediate poles on cable routes with angle < 20° on access networks (spans up to 100 m). The suspension clamp for ADSS cable consists of a galvanized steel J hook, a neoprene sleeve and a tightening screw. The clamp may be installed on poles using either a pig tail bolt or 2 pole bands.	0438		JHC 1015	Suspension clamp for round ADSS cable Ø 10 to 15 mm
	0439		JHC 1520	Suspension clamp for round ADSS cable Ø 15 to 20 mm

3.5.2 J-hook Suspension Clamp

Description	Code	Picture	Model	Designation
J hook available in various configurations to fit any set-up requirements.	1851			J hook suspension clamp with securing bolt, no neoprene insert - suitable for steel band securing
	2080		JR	J hook suspension clamp without securing bolt and neoprene insert - suitable for bolt-through securing

3.5.3 Suspension Bracket CS with hook bolt

Description	Code	Picture	Model	Designation
For suspension of the cable at intermediate poles. May be used either on wooden or on metal poles. Installed on poles with two 20 mm bands.	6480		CS	Suspension bracket
	1955		BQC 12x50	Hook bolt 12x50


3.5.4 CS1500 - Pole Bracket

Description	Code	Picture	Model	Designation
The bracket is an aluminum alloy foundry product with high mechanical characteristics. Secured on any wooden, metallic or concrete poles using either a 14 / 16 mm bolt or two 20 mm bands.	6480		CS1500	Suspension bracket

3.5.5 CA1500 - Pole Bracket

Description	Code	Picture	Model	Designation
The bracket is an aluminum alloy foundry product with high mechanical characteristics. Secured on any wooden, metallic or concrete poles using either a 14 / 16 mm bolt or two 20 mm bands. Spacing from the poles : 90 mm.	7059		CA1500	Suspension bracket


3.5.6 Steel plate with pin for wooden or metallic pole

Description	Code	Picture	Model	Designation
Starting point for a line or stay installation. Installed on pole with two 20 mm bands.	0151		7/05	Pin-type steel plate

3.5.7 Pole Bracket 30/41

Description	Code	Picture	Model	Designation
Fixing of suspension clamps 30/34 and SC39B on metal poles. Securing on pole with one 20 mm band.	0154		30/41	Suspension bracket

3.5.8 Hook Bolt



Description	Code	Picture	Model	Designation
Hook bolt used for securing support clamps on wood pole. Supplied with one welded washer, one washer and one nut. Recommended for articulated suspension set-up.	0154		BQC 14x300	Hook bolt 14 x 300 mm
	2533		BQC 16x300	Hook bolt 16 x 300 mm
	7631		BQC 16x350	Hook bolt 16 x 350 mm

3.5.9 Extension Arm

Description	Code	Picture	Model	Designation
To install new lines off the pole. The arm inclination angle with the horizontal is 15 degrees. The extension arm is secured using either traversing bolts or a double stainless steel banding on the pole. Material : aluminum alloy (base and flange) and FRP with enamel painting (rod).	90224		EXA60	Extension arm 60 cm
	9999		EXA75	Extension arm 75 cm
	90223			Eye nut 16 mm

3.6.0 Pole Fixings and Accessories



3.6.1 Stainless Steel Band

Description	Code	Picture	Model	Designation
The pole bands are used for attaching brackets or capping covers to the poles without the need of drilling. They come in a variety of sizes and grades (AISI 430 / AISI 201 / AISI 304).	0327		SB207S	Stainless steel band 3/4" x 0.03"
	1867		SB167S	Stainless steel band 5/8" x 0.03"
	8405		SB137S	Stainless steel band 1/2" x 0.03"
	4524		SB134S	Stainless steel band 1/2" x 0.016"
	1869		SB107S	Stainless steel band 3/8" x 0.03"



3.6.2 Standard Buckles

Description	Code	Picture	Model	Designation
AISI 430 stainless steel buckles for the bands.	0046		B10	Buckle 10 mm - 3/8" Bag of 100 pcs
	0047		B20	Buckle 20 mm - 3/4" Bag of 100 pcs



3.6.3 Reinforced Buckles

Description	Code	Picture	Model	Designation
AISI 304 stainless steel buckles for the bands.	0027		BIB10	Reinforced buckle 10 mm - 3/8" Bag of 100 pcs
	4268		BIB13	Reinforced buckle 1/2" Bag of 100 pcs
	5617		BIB16	Reinforced buckle 5/8" Bag of 100 pcs
	0045		BIB20	Reinforced buckle 20 mm - 3/4" Bag of 100 pcs

3.6.4 Band Installation Tool

Description	Code	Picture	Model	Designation
Screw type and lever type.	0029		BTS	Screw-type installation tool
	0030		BTL	Lever-type installation tool

3.6.5 Band Cutting Tool (Shears)

Description	Code	Picture	Model	Designation
	0028		BCT	Steel band shears
	09082		BCTF	Steel band shears with flat nose


3.6.6 Bending Tool (pliers)

Description	Code	Picture	Model	Designation
	1717			Bending tool



3.6.7 Junction rings (mesh) and neoprene protection for steel band

Description	Code	Picture	Model	Designation
Protection of cable down leads on poles when directly secured with steel band.	0217		M2525	Mesh 25 x 25 mm / Box of 100 pcs
	1024		M2540	Mesh 25 x 40 mm / Box of 100 pcs
	6807		M2560	Mesh 25 x 60 mm / Box of 100 pcs
	0870		BPS20	Perylene protection strip for steel band 20 mm / rl 10 m
	1265		BPS10	Perylene protection strip for steel band 10 mm / rl 10 m

3.6.8 Tool carrying case

Description	Code	Picture	Model	Designation
Storage of the tools here above.	0216		TCC	Storage case (empty)


3.6.9 Assembly Bolt (M14)

Description	Code	Picture	Model	Designation
	0156		1/12	Assembly bolt BH14 x 25/25 mm
	0155		1/13	Assembly bolt BH14 x 60/34 mm

3.6.10 Securing Bolt (M14)

Description	Code	Picture	Model	Designation
Storage of the tools here above.	0194		1/6	Securing bolt BH14 x 225/145 mm


3.6.11 Securing / Coupling Bolt (M14)

Description	Code	Picture	Model	Designation
	2065		BH14 x350	Coupling bolt BH14 x 350/180
	2066		BH14 x450	Coupling bolt BH14 x 450/180

3.6.12 Curves square washer and nut (M14)

Description	Code	Picture	Model	Designation
	09069		BH14 x350	Curved square washer 75 x 35 x 4 mm
	0283		BH14 x450	Nut HM14

3.6.13 Securing Bolt (M16)

Description	Code	Picture	Model	Designation
Hot dip galvanized bolts with two square washers	0101		BH16 x250	Securing bolt BH16 x 250/100
	0103		BH16 x300	Securing bolt BH16 x 300/140
	0105		BH16 x350	Securing bolt BH16 x 350/100
	0193		BH16 x400	Securing bolt BH16 x 400/100

3.6.14 Coach Screw

Description	Code	Picture	Model	Designation
	2062		1/22	Coach screw TH10x80Hammer-in drive
	0190		1/21	Wood screw TH12x80 Screw-in drive
	4175			Wood screw 12x80 HEX head Screw-in drive



3.6.15 Eye bolt

Description	Code	Picture	Model	Designation
Adjustment of the load in the cables when installed on cross-arms.	1264		EB600	Eye bolt M12 - UTS 600 daN

3.6.16 Shackles

Description	Code	Picture	Model	Designation
Hot dip galvanised finishing.	0170		SH600	Straight shackle 10 mm - UTS 900 daN
	5828		SH600	Bow shackle 1/2" - 13 mm with screw pin - UTS 1500 daN
	8408			Bow shackle 5/8" - 16 mm with screw pin - UTS 2000 daN

3.6.17 Turnbuckles

Description	Code	Picture	Model	Designation
Hot dip galvanised finishing. Adjustment of the load in the cable or the stay. One eye and one hook.	1263		TU180	Turnbuckle 1 eye 1 hook M12 - UTS 400 daN
	0230		TU120	Turnbuckle 1 eye 1 hook M10 - UTS 250 daN
	0150		30/04	Turnbuckle 2 eyes M12 - UTS 1000 daN
	09073		TU180	Turnbuckle 2 eyes with nuts M16 - UTS 1500 daN
	5827		TU120	Turnbuckle 2 oval eyes with nuts M16 - UTS 1500 daN


3.6.18 Thimbles

Description	Code	Picture	Model	Designation
Protects the wire (helical dead-end or stay wire) in the formed loop. Hot dip galvanised finishing except for the clevis thimble (aluminum alloy).	0162		30/03	C thimble for wires Φ 3 to 8 mm
	5948			C thimble for wires Φ 8 to 15 mm
	7670			U thimble for wire Φ 8 to 15 mm
	8407			Clevis thimble for wire Φ 10 to 24 mm


3.6.19 Extension Link

Description	Code	Picture	Model	Designation
Hot dip galvanised finishing. Give extra length when fixing helical dead-end to the pole. 1.26 Kg	7672			Extension link 300 mm



3.6.20 Pulling Handle

Description	Code	Picture	Model	Designation
Rubber-type tool for gripping and pulling fibre optic cables while not damaging the core. May accommodate various size of cables.	1886			Pulling handle

3.6.21 Coupling bolt for securing poles

Description	Code	Picture	Model	Designation
Long traversing bolts for wooden pole coupling according to the last France Telecom pole specifications. Bolt length of 350 and 450 mm respectively. Includes two curved washers and nut.	2065		BH14 x350	Coupling bolt BH14 x 350/180 mm
	2066		BH14 x450	Coupling bolt BH14 x 450/180

3.6.22 Strutting

Description	Code	Picture	Model	Designation
V-shaped spacer for wooden poles. Suitable bolt is 1/6 (Ø 14 mm x 225 mm). Adjustable strut for metallic poles. Secured using two 20 mm steel bands.	5135		20/04	Strut for wooden pole
	1914		20/11	Variable strut for metallic pole

3.6.23 Toolkit for controlling

Description	Code	Picture	Model	Designation
Includes punch tool, hammer and wood drill bit with SDS drill shank. Test probe for wooden pole head may be attached on any sticks using two collars (not included).	1555			Punch tool 5 x 75 mm
	0504			Cross pein hammer
	0909			Wood drill bit SDS 8 x 200 mm
	0910			Wood drill bit SDS 8 x 300 mm
	7746		PTT	Pole head test probe


3.6.24 Pole marking

Description	Code	Picture	Model	Designation
Used to identify cables or poles. Secured with a 10 mm steel band, a 9 mm cable tie or nails.	0509		ETIQB	Marking label - Blue
	0387		ETIQO	Marking label - Orange
	0510		ETIQR	Marking label - Red
	0039		SB104	Stainless steel band 10 x 0.4 mm Roll of 50 m
	0046		PTT	Buckle 10 mm
	0920			Nails 3 x 30 mm / Box of 5 Kg

3.6.25 Set of punches for pole marking

Description	Code	Picture	Model	Designation
Includes punch tool, hammer and wood drill bit with SDS drill shank. Test probe for wooden pole head may be attached on any sticks using two collars (not included).	0902			Punches - Set of letters 5 mm high
	0903			Punches - Set of letters 6 mm high
	0900			Punches - Set of numbers 5 mm high
	0901			Punches - Set of numbers 6 mm high
	1268			Punches - Set of 10 punctuation marks 5 mm high

3.6.26 Cap for Wooden Pole

Description	Code	Picture	Model	Designation
Protects the top of wooden poles from water penetration. Secured using nails (x3), model 0920.	1266		COIF30	Pole cap Ø 130 mm
	1267		COIF60	Pole cap Ø 160 mm

3.6.27 Pole Climbing Irons

Description	Code	Picture	Model	Designation
Made from special high resistance steel either with grip points (for wooden poles) or with grip surface in rubber, toe piece in rubber to avoid any deterioration (for concrete or metallic poles).	4494			Pole climbing irons 6 claws \varnothing 250 mm
	1028			Pole climbing irons 7 claws \varnothing 240 mm
	1027			Pole climbing irons soft grip \varnothing 180 mm

3.6.28 Bonding clamps / earthing connectors

Description	Code	Picture	Model	Designation
Non-stripped earthing wire carriers. Electrical continuity between carriers	0081		EC13	Earthing connector
	0077		EC13T	Earthing connector with controlled tightening

3.6.29 Earthing rods and connecting lugs

Description	Code	Picture	Model	Designation
\varnothing 16 mm diameter non-stackable galvanised steel rods. Round rod supplied with connecting lug. Star earthing rods supplied without connecting lug.	0189		ER1610	Star earthing rod 1 m
	0273		ER1615	Star earthing rod 1.5 m
	1882		ER1610R	Round earthing rod 1 m
	1883		ER1615R	Round earthing rod 1.5 m

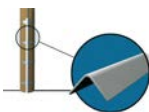
3.6.30 Connecting lugs for round rods

Description	Code	Picture	Model	Designation
Made from brass material. Also available in galvanised steel material as U bolt.	2767		ERC16	Brass connecting lug \varnothing 16 mm
	1249		ERC20	Brass connecting lug \varnothing 20 mm
	5088		WRC3/4	Galvanised U-bolt \varnothing 20 mm

3.6.31 Earthing wires

Description	Code	Picture	Model	Designation
Bare earthing wire, 4 x 2.05 mm galvanised steel strands, \varnothing 4.9 mm in total. Insulated earth wire, 7 x 0.85 mm copper strands, \varnothing 4.6 mm in total.	0157		EW49	Bare earthing wire \varnothing 4.9 mm per meter
	1247		EW146	Insulated earth wire \varnothing 4.6 mm per meter


3.6.32 PVC protection cover for earthing wire

Description	Code	Picture	Model	Designation
Protection for vertically installation of earthing wires on poles. 2.6 m length. Installed with 10 mm or 20 mm steel bands.	0048		GPT30	PVC protective duct Ø 30 mm grey
	0049		GPT30M	PVC protective duct Ø 30 mm brown
	0050		GPT30I	PVC protective duct Ø 30 mm ivory


3.16.33 Parallel Groove Clamp

Description	Code	Picture	Model	Designation
Electrical continuity of two parallel wires. Tinned copper.	3603		PG2-30	Groove clamp 1 bolt Box of 25 pcs
	0330		PG2B 2-30	Groove clamp 2 bolts Box of 25 pcs

3.6.34 C Connector

Description	Code	Picture	Model	Designation
Electrical continuity of 2 parallel wires of same section. Tinned copper.	0182		C16CUET	C-connector for wire 16 mm ²
	1884		C25CUET	C-connector for wire 25 mm ²

3.6.35 Split bolt

Description	Code	Picture	Model	Designation
Electrical continuity of several wires. Tinned copper.	0290		4H	Split bolt wire clamp (10-16) ² / (2-16) ²
	0211		1h	Split bolt wire clamp (25-35) ² / (4-35) ²

3.6.36 U bolt (wire-rope-clip)

Description	Code	Picture	Model	Designation
Electrical continuity of 2 parallel wires of same section. Tinned copper.	2182		WRC1/4	Wire-rope-clip Ø 6.5 mm
	2414		WRC5/16	Wire-rope-clip Ø 8 mm

3.6.37 Roller for aerial telephone cables

Description	Code	Picture	Model	Designation
These rollers have been developed for the running-out of insulated ABC lines or for aerial fibre optic cables on distribution networks. The roller is composed of a wheel, an axis, an arm and a rotating hook. Lightweight aluminum alloy and coated sheave.	0114		RO150	Roller with large sheave UTS 150 daN
	7638		RO200	Roller with thermoplastic sheave UTS 200 daN
	09120		RO400	Roller high diameter sheave UTS 400 daN
	6815		RO500	Roller high diameter sheave UTS 500 daN
	0115		RO800	Roller high diameter sheave UTS 800 daN

3.6.38 Pulling Block

Description	Code	Picture	Model	Designation
3-wheel block used in pairs for the pulling of cables. Supplied with 20 metres of 10 mm braided rope. Maximum load: 300 daN.	0563			Pulling block for cable installation

3.6.39 Temporary Holding bracket for rollers

Description	Code	Picture	Model	Designation
Includes a bracket and a ratchet belt to anchor a roller temporary on the pole during the cable installation. Roller to be ordered separately.	7772		THB	Temporary holding bracket + ratchet belt




3.6.40 Come along grips

Description	Code	Picture	Model	Designation
Model with forged steel, short jaws made from tempered steel specially designed to fit onto figure-8 cables. Model with long aluminium jaws for direct pulling on telecom and power cables.	0390			Come along grip \varnothing 4 to 12 mm Short jaws
	1078			Come along grip \varnothing 6 to 14 mm Long jaws



3.6.41 Sling

Description	Code	Picture	Model	Designation
Textile lifting strap made from polyester with two termination eyes. 30 mm width. Compliant with EN 1492-2. Suitable for attaching a roller on top of a pole temporary. Maximum load : 800 daN.	11426			Textile sling 1.5 m


3.6.42 Cable hose pulling grips

Description	Code	Picture	Model	Designation
Used for pulling aerial or underground insulated cables. The choice of pulling grip depends on the cable diameter and the requested load. Model available: Single loop or double loop and galvanised steel or polyamide fibre.	0859			Single loop galvanised pulling grip Ø 10-20 mm
	0935			Double loop galvanised pulling grip Ø 10-20 mm
	1599			Double loop polyamide pulling grip Ø 6-12 mm
	1601			Double loop polyamide pulling grip Ø 10-19 mm


3.6.43 Dynamometers

Description	Code	Picture	Model	Designation
Installed in-line with the pulling grip to check the cable load. Compliant with European directives 89/392 - 91/368 - 93/68 and European standards EN 292 - EN 55 022 - EN 50082.2.	8033			Aerial and underground cable installation
	0044			Aerial cable installation

3.6.44 Pull-left hoist

Description	Code	Picture	Model	Designation
Used for the pulling of telecom cables. Light, compact, easy-to-use for cable load adjustment. May also be used for lifting heavy goods and for anchoring poles. 3 configurations for flexible use.	4470		PAL 500	Cable ratchet hoist 250/500 daN with two lines
	1104		PAL 1000	Cable ratchet hoist 500/1000 daN with two lines - max. lifting 3.1 m
	1916		PAL 1000F	Cable ratchet hoist 500/1000 daN with two lines - max. lifting 4.0 m
	2334		PAL 1600	Cable ratchet hoist 800/1600 daN with two lines

3.6.45 Winch


Description	Code	Picture	Model	Designation
Universal, robust, light, compact, easy-to-use and free maintain device. Recommended for the pulling of figure-8 telecom cables. Supplied with 2 slings and 10 m of cable. Maximum working load : 680daN (pulling).	1927		J3	Portable wire rope winch 300 Kg Device weight 2.5 Kg
	1101		J5	Portable wire rope winch 680 Kg Device weight 5.0 Kg

3.7.0 Slack Management Brackets


3.7.1 Copper Wire Analyser

Code	Description	Image
DEX-SLACK-001	<p>Standard Plastic Slack Management Bracket with Closure Backplate adapter</p> <ul style="list-style-type: none"> Fully functional plastic slack management bracket for use in Aerial FTTH networks Closure Backplate includes strain relief for incoming / outgoing cables, therefore making it the ideal accessory for all fibre optic splice closures Can be installed through multiple fixing mechanisms - steel bands, coach screws, bolts 	
DEX-SLACK-002	<p>Large Plastic Slack Management Bracket with Closure Backplate adapter</p> <ul style="list-style-type: none"> Adjustable compact slack management bracket that can be used to store multiple cable lengths Robust design makes the bracket resilient for deployment in multiple locations along the network Closure Backplate included to store multiple different types of closures Can be installed through multiple fixing mechanisms - steel bands, coach screws, bolts 	
LOV300	<p>Dexgreen - Plastic Slack Management Bracket</p> <ul style="list-style-type: none"> Manages fibre optic cable overlengths to avoid effects of piston on aerial ADSS cables and to facilitate splicing joints to be placed on poles, on the ground or within manholes Compact and discrete, the bracket is placed behind the closure to minimise overall visual impact of the coiled cable Can be installed through multiple fixing mechanisms - steel bands, coach screws, bolts 	
FOC04	<p>Back Mounting Plate</p> <ul style="list-style-type: none"> Mechanical support: Protection of fibre optic cable and sub-duct through fixing points at base of backplate Flexibility: Flexibility in network design where closures can be spliced in controlled conditions and then mounted in secure locations in the outside plant network, for example underground and aerially. Plastic bracket (UV stabilized ASA) material gives optimum durability in harsh environments. Suitable for underground and aerial installation Compact: Lightweight and compact design, which replaces the need for more expensive storage metal units. This reduces operational costs. Furthermore, the backplate occupies minimal footprint, therefore it is ideal for placement within compact underground chambers Unique Features: Multiple drop cable, sub-duct and cable management, ensures adequate protection of cable entering joint closure. Other customisations can be made if required. Backplate can be mounted directly on to various surfaces, i.e. poles (wooden / metal / concrete / plastic), walls, timbers surfaces through bolts / coach screws / eye bolts Universal Closure Backplate Adapter: The backplate can accommodate multiple vendors' fibre optic splice closures through a versatile backplate that can be simply attached to the slack management bracket and secured into position using lockpins. This backplate adapter can also be installed within manholes for closure mounting. The fixing positions for the closure on the backplate can be modified easily 	

3.7.2 Fibre Optic Cable Storage Bracket

Description	Code	Picture	Model	Designation
Bracket used for the storage and the bending of a fibre optic cable on the pole or in manhole as well as the fixing of 3M fibre optic closures. Hot dip galvanised steel material. 90 cm height and width. Secured using either two 20 mm bands or 2 coach screws.	3288		FOSB	Fibre optic storage bracket 900x900mm - 4 arms
	09240		FOSB1	Fibre optic storage bracket 900x500mm - 3 arms

3.7.3 Coiling Bracket

Description	Code	Picture	Model	Designation
Bracket for the coiling and the safe storage of fibre optic cables featuring small bending radius. Light frame in aluminum material. Installed using two steel bands or two coach screws.	09125		LOV280	Storage bracket 560x280x100mm

3.8.0 Drop Brackets

3.8.1 Multiple drop wire cross-arm bracket

Description	Code	Picture	Model	Designation
Allows multiple drop wire dead-ends in all directions on wood or metal poles. Hot dip galvanised steel finishing.	2068		CT8	Multiple drop wire cross-arm bracket - 325 mm width

3.8.2 Drop Wire Plate

Description	Code	Picture	Model	Designation
Allows up to four drop wire dead-ends at the end of the cross-arm 5/14 or 5/15. Secured onto a cross-arm with one bolt 1/12. Hot dip galvanised steel finishing.	0346		FE	Drop wire plate Up to 4 connections


3.8.3 Drop Wire Plate (U-shaped)

Description	Code	Picture	Model	Designation
Allows up to two drop wire dead-ends on cross-arms or on walls. Secured using one bolt ϕ 14 mm or one 20 mm steel band.	7221		DP16U	U-shape drop wire plate

3.8.4 Ring pole head drop wire

Description	Code	Picture	Model	Designation
Allows multiple drop wire dead-ends in all directions on wooden poles. Hot dip galvanised steel finishing.	2158		RPHD	Ring pole head drop wire

3.8.5 Drop Wire Ring

Description	Code	Picture	Model	Designation
Allows up to four drop wire dead-ends on metal, wood or concrete poles. Secured with a 20mm steel band. Hot dip galvanised steel.	2410		DRING	Drop wire ring


3.8.6 Drop Wire plate

Description	Code	Picture	Model	Designation
Allows one or two drop wire dead-ends on wooden pole.	0158		5/29	Drop wire plate for wooden pole

3.8.7 Drop Wire Plate (L-shaped)

Description	Code	Picture	Model	Designation
Allows up to two drop wire dead-ends. Secured using one bolt \varnothing 14 mm.	7304		PAB	Drop wire plate for bolt securing

3.8.8 FTTH drop suspension plate

Description	Code	Picture	Model	Designation
Allows one suspension or up to three drop wire dead-ends on pole. Secured using either a 20 mm steel band or two coach screws.	09210		DP20	FTTH drop suspension plate

3.9.0 Drop Clamps

3.9.1 @ Drop wire clamp

Description	Code	Picture	Model	Designation
The drop wire clamp @ is composed of a mandrel shaped body and an opened bail that can be locked into the clamp body. It is made out of UV resistant nylon for a lifespan guarantee of min 25 years.	7593		@	Drop wire clamp for round FO cable Ø 3-6 mm

3.9.2 MYRIAPODA

Description	Code	Picture	Model	Designation
The MYRIAPODA 6 enables the dead-ending and suspension of round ADSS cables with Ø 6 ± 0.2 mm. Qualified by France Telecom. The clamp features a single-unit structure to facilitate its storage and its installation on the field.	09179		MYRIA OPDA 6	Drop wire clamp for round FO cable Ø 6 mm

3.9.3 Plastic Wedge Clamp

Description	Code	Picture	Model	Designation
Allows up to two drop wire dead-ends on cross-arms or on walls. Secured using one bolt Ø 14 mm or one 20 mm steel band.	5672		AC35L 140	Drop wire clamp for fig-8 FRP or round cable Ø 3 to 6 mm
	4972		AC68L 140	Drop wire clamp for fig-8 FRP or round cable Ø 6 to 9 mm

3.9.4 Plastic Wedge Clamp (Short Body)

Description	Code	Picture	Model	Designation
Allows up to two drop wire dead-ends on cross-arms or on walls. Secured using one bolt Ø 14 mm or one 20 mm steel band.	0125		AC35 140	Drop wire clamp for round cable Ø 3 to 6 mm
	0136		AC68 140	Drop wire clamp for round cable Ø 6 to 9 mm


3.9.5 Dead end Copper cable clamp

Description	Code	Picture	Model	Designation
Allows up to two drop wire dead-ends on cross-arms or on walls. Secured using one bolt Ø 14 mm or one 20 mm steel band.	7220		RDC	Drop wire clamp for round copper cable Ø 3 to 6 mm

3.9.6 Dielectric suspension clamp

Description	Code	Picture	Model	Designation
The suspension clamp DS consists of a nylon body with an integrant nylon ball and a neoprene sleeve. The clamp is suitable for both round and flat FO cables. Optionally a cable tie secures the clamp body.	09171		DS2	Suspension clamp for round or flat FO cable Ø 2 to 4 mm
	09172		DS4	Suspension clamp for round or flat FO cable Ø 4 to 6 mm
	09170		DS6	Suspension clamp for round or flat FO cable Ø 6 to 8 mm


3.9.7 Helical dead-end

Description	Code	Picture	Model	Designation
Hot dip galvanized spiral dead-ends for ADSS FO drop wire cables on short spans (30 m max.). Suspension also available for the corresponding dead-end model.	09749		GSDE 0450	Spiral dead end for FO round drop wire cable Ø 4.0 to 5.0 mm
	09749		GSHS 0450	Spiral suspension for FO round drop wire cable Ø 4.0 to 5.0 mm
	09129		GSDE 0600	Spiral dead end for FO round drop wire cable Ø 6.0 to 6.6 mm
	09130		GSHS 0600	Spiral suspension for FO round drop wire cable Ø 6.0 to 6.6 mm


3.9.8 Clamp for Figure-8 drop wire

Description	Code	Picture	Model	Designation
Clamp with metallic jaws to use on figure-8 cables with steel messenger.	0291		AC6 140	Drop wire clamp for cable with steel messenger Ø 3 to 6 mm


3.9.9 Plastic Wedge Clamp (Figure 8)

Description	Code	Picture	Model	Designation
Clamping with plastic wedges. These anchoring clamps allow an easy and quick installation of figure-8 cables with all aluminum alloy (AAA) or dielectric messengers (Kevlar, FRP) by gripping directly onto the HDPE or MDPE messenger outer sheath.	5672		AC35L 140	Drop wire clamp for fig-8 FRP or round FO cable Ø 3 to 6 mm
	4972		AC68L 140	Drop wire clamp for fig-8 FRP or round FO cable Ø 6 to 9 mm

3.9.10 ODWAC - flat drop wire clamp

Description	Code	Picture	Model	Designation
The drop wire clamp ODWAC F is composed of a body, a wedge and a shim with a flat shape to accommodate flat cables. A solid wire bail is crimped to the wedge. All parts are made out of stainless steel.	5126		ODWAC	Drop wire clamp for 9 x 3 mm flat FO cable
	09128		ODWAC XL	Drop wire clamp for 15 x 5 mm flat FO cable
	4177			Extension ring for securing on bracket

3.9.11 HYPOCLAMP F - Flat Drop Wire Clamp

Description	Code	Picture	Model	Designation
The HYPOCLAMP F is composed of a metallic shell & shim and plastic wedge with an integrated opening bail. The combination of plastic and metal improves the reliability of the clamp gripping while delivering the same mechanical performances as the ODWAC series. The opened bail enables a quick installation without additional accessories on closed hardware.	5129		HYPO CLAMP F	Drop wire clamp for flat FO cable

3.9.12 Flat Copper Cable Clamp


Description	Code	Picture	Model	Designation
Drop wire clamp for flat copper cables with integrating connection box used for storage and protection of drop wire connectors from 3M, AMP or ETON. The box is clipped onto the 5/35 clamp. UV protected thermoplastic. Qualified for used on FT 5/9 and 5/99 drop wires.	1880		5/35	Drop wire clamp for flat copper cable
	2462		BOX5/35	Connection box for protection
	1885		5/35C	Drop wire clamp with connection box

3.10.0 Customer Premises Anchoring

3.10.1 Drop Wood Screw

Description	Code	Picture	Model	Designation
For securing a drop wire clamp on wood pole or fascia. Stainless steel finishing. Hot dip galvanised steel finishing.	2054		DWS5	Drop wood screw ϕ 5 mm
	1293		DWS8	Drop wood screw ϕ 8 mm
	2048		DWSSG	Galvanised drop wood screw ϕ 5 mm
	7219		DWS8G	Galvanised drop wood screw ϕ 8 mm


3.10.2 Nylon plug for fixing drop wood screw on wall

Description	Code	Picture	Model	Designation
Nylon plug used for fixing drop wood screws on walls. Qualified plugs for France Telecom drop wood screws DWS and DWS8.	2374			Nylon plug ϕ 5 mm for concrete Box of 100 pcs
	2375			Nylon plug ϕ 8 mm for concrete Box of 100 pcs


3.10.3 Hammer-in / Screw-in Anchoring Hook

Description	Code	Picture	Model	Designation
Installation of anchoring clamps on walls and poles. Hot dip galvanised steel finishing.	1288		DH2	Drive hook pole line ϕ 8 x 90 mm
	1289		DH1	Drive hook pole line ϕ 11 x 120 mm

3.10.4 Pig Tail Expanding Bolt

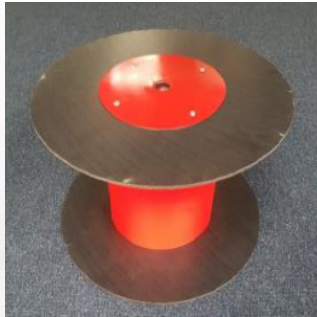
Description	Code	Picture	Model	Designation
For securing a drop wire clamp on a wall. Stainless steel finishing.	0324		DCS5	Hook expanding bolt ϕ 5 mm for concrete
	0326		DCS8	Hook expanding bolt ϕ 8 mm for concrete

3.10.5 Pig Tail Hook Expanding Bolt

Description	Code	Picture	Model	Designation
Bolt ϕ 12 mm with hot dip galvanised finishing. Requires hole ϕ 18 mm and 80 mm long.	0347		BQC 12110E	Pigtail hook bolt ϕ 12 mm for concrete

4.0. Cable Pulling Systems

Full range of cable accessories for pulling and recovery of cable



DEXGREEN

We collaborate, innovate & deliver

4.1 DEX trolley

Code	Description	Image
1	<p>DexTrolley is an innovative product which allows complete control of cable drum dispensing, as a result of its effective braking system. DexTrolley prevents unnecessary cable uncoiling, therefore making it a risk preventative product, whilst being compact and mobile.</p> <p>Features:</p> <ol style="list-style-type: none"> 1. Compact & lightweight design. 2. Collapsible design for easy storage. 3. Multiple drum diameter size compatible (350-600mm). 4. Robust adjustable braking system. 5. Leather brake pad allows effective plastic & wooden drum braking. 6. Adjustable telescopic handle. 7. Heavy drums easily loaded without manual lifting of operator. 8. One-way drum locking mechanism keeps cable reel secured in position. 9. Rubber feet prevent trolley movement on all terrain. 10. Large surface area wheels prevent sink-age of reels with heavy drums. 11. Compatible with a range of drum widths using adjustable barrel shaft cups. 	
2	<p>Reusable DexReel is a reusable reel which is environmentally friendly and cost-effective solution to aid with partially damaged and one time use cable reels. Reusable DexReel is a cable management solution for handling and dispensing cable.</p> <p>Features:</p> <ul style="list-style-type: none"> • To facilitate damaged cable drums and allow cable to be dispensed. • Accommodate disposable cable reels to allow cable to be dispensed. 	
3	<p>Eco DexReel is a cardboard alternative to wooden cable reels. It allows one-time use, is easily disposable, environmentally friendly and reduces the cost of disposal compared to conventional wooden drums.</p> <p>Features:</p> <ul style="list-style-type: none"> • All main components of Eco DexReel are made from cardboard. This product is durable, lightweight and can be easily disassembled. • Existing wooden drums in the network can be difficult to dispose. Eco DexReel is a sustainable alternative that reduces one's environmental footprint thus future proofing the product. • Eco DexReel is easier to recycle compared to existing wooden drums making it a cost saving product. Due to the fully collapsible, cardboard nature of Eco DexReel, it can be easily be recycled and discounted. 	

4.2 Cable Pulling System

Code	Description	Image
30064	Cable lubricating compound GEL 1050 ml	
30467	Cable lubricating compound GEL 250 ml	
20523	Cable lubricating compound SPRAY 400 ml	
20522	Cable lubricating compound FOAM 400 ml	
30063	LIQUID lubricant 1000 ml	
10013	Runpo 5	
20240	Runpo 5 without box	
20613	Runpotec system-case	
20272	Runpo Z-quick connection compatible with runpoglider	
10020	Runposticks Comfort (19parts)	
10016	Runposticks Standard (17parts)	
30239	Stainless steel special sliding hook	

4.2 Cable Pulling System (Continued)

Code	Description	Image
20468	Functionglider	
20059	LED-lamp	
20485	High-performance 320-lumen rechargeable	
10042	Runpoststicks accessories set	
20238	Runpoglider	
10043	Runpoststicks yellow	
10044	Runpoststicks black	
10045	Runpoststicks red	
20457	Fiberglass rod	
20261	Stainless fishing hook	
30236	Stainless eyelet	
20260	Strong magnet	
30210	Connection thread	
20262	Ball chain	
20614	Fish hook Set	
20455	Drag rope	

4.2 Cable Pulling System (Continued)

Code	Description	Image
30009	Storage bag	
30027	Runpo 1	
10087	Power Rex	
20413	Spare fiberglass rod	
20460	Runpoglider with front thread	
20475	Magnet fishing set	
20116	Flexible starting head Ø 7mm	
20303	Flexible starting head Ø10mm	
20119	Flexible starting head Ø13mm	
20408	Repairing kit for fiberglass rod Ø3mm	
20365	cable pulling grip with swivel	
20266	cable pulling grip with swivel	
20107	Ending joint-set for Ø 3mm	



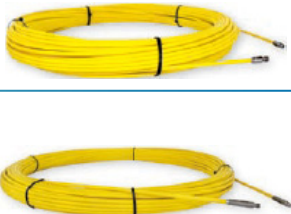




4.2 Cable Pulling System (Continued)

Code	Description	Image
20108	Coupling joint-set for Ø3mm	
20411	Eyelet-set for Ø7mm	
20428	Pull loop	
20427	Pull loop 2mm	
30070	Pulling grip for Ø 3-12mm	
30050	Special glue	
20004	Runpotec RT 2008	
20333	Set belt clip = plug in circuit-board	
20020	Flexible attachment	
20010	Attachment w/o connector	
20253	Inflexible Attachment	
20611	Runpotec system-case	
10159	Runpofix with hook-set	
20628	Runpofix with hook-individually	
10154	Runpofix with RTG 6 thread-set	
20624	Runpofix with RTG 6 thread	
30039	Cable pulling grip with loop and swivel	
20637	Cable pulling grip with loop and swivel	
20436	Cable pulling grip with loop and thread incl. swivel	
20388	Runpo Z Adapter	

4.2 Cable Pulling System (Continued)

Code	Description	Image
20272	Cable IDENTIFICATION: <ul style="list-style-type: none"> • loudspeaker • phone 	
20273	Cable IDENTIFICATION: <ul style="list-style-type: none"> • CAT5/6/7 • NYM-J • Coaxial • NYM-O 	
20367	Cable IDENTIFICATION: <ul style="list-style-type: none"> • NYM • CAT6 DUPLEX 	
20267	Cable IDENTIFICATION: <ul style="list-style-type: none"> • NYM-J • NYY-O 	
20268	Cable IDENTIFICATION: <ul style="list-style-type: none"> • NYCY • NYY-J • NYY-O 	
20269	Cable IDENTIFICATION: <ul style="list-style-type: none"> • NYCWY • NYCY 	
20436	Cable IDENTIFICATION: <ul style="list-style-type: none"> • NYY-O • NYY-JZ • NYM-J • NYCWY 	
20437	Cable IDENTIFICATION: <ul style="list-style-type: none"> • NYCWY 	
20438	Cable IDENTIFICATION: <ul style="list-style-type: none"> • NYY-J • NYCWY 	
20439	Cable IDENTIFICATION: <ul style="list-style-type: none"> • NYY-J 	
10052	Fiberglass rod Ø 4.5mm Profi set	
10054	Fiberglass rod Ø 4.5mm Standard-set	
10059	Fiberglass rod Ø 6mm Profi-set	
10060	Fiberglass rod Ø 6mm Standard-set	

4.2 Cable Pulling System (Continued)

Code	Description	Image
10076	Fiberglass rod ϕ 7.5mm	
10081	Fiberglass rod ϕ 9mm	
10092	Fiberglass rod ϕ 11mm	
10099	Fiberglass rod ϕ 15mm	
20311	Spare fiberglass rod ϕ 4.5mm with ending couplings	
20368	Spare fiberglass rod ϕ 7.5mm with ending couplings	
20373	Spare fiberglass rod ϕ 9mm with ending couplings	
20386	Spare fiberglass rod ϕ 11mm with ending couplings	
20491	Spare fiberglass rod ϕ 15mm with ending couplings	
20317	Spare fiberglass rod ϕ 6mm with ending couplings	
20279	Roller ϕ 25mm	
20280	Shackle, stainless steel, Runpotec RTG ϕ 6mm thread	
20250	Complete repair kit for ϕ 4.5mm	
20252	Complete repair kit for ϕ 6mm	
20384	Complete repair kit RTG ϕ 12mm	
20424	Complete repair kit for ϕ 11mm	
20489	Complete repair kit for ϕ 15mm	
20322	Ending joint-set for ϕ 4.5mm	






4.2 Cable Pulling System (Continued)

Code	Description	Image
20316	Ending joint-set for Ø 6mm	
20381	Ending joint-set RTG Ø 12mm	
20422	Ending joint-set for Ø 11mm	
20490	Ending joint-set for Ø 15mm	
20323	Coupling joint-set for Ø4.5mm	
20321	Coupling joint-set for 6mm	
20380	Coupling joint-set	
20423	Coupling joint-set for 11mm	
20498	Coupling joint-set for 15mm	
30208	Eyelet-set for Ø8mm	
20251	Swivel joint for Ø 4.5mm	
30067	2 components special glue	
20278	Extractable standing feet	
20402	Profi steel cage for Ø 4.5mm	
20403	Profi steel cage for Ø 6mm	
20002	Steel cage for Ø 4.5mm	
20443	Blind cap set RUNPOTEC RTG Ø 6 mm thread PU = 3 blind cap set	
20300	Steel cage for Ø 6mm	

4.2 Cable Pulling System (Continued)

Code	Description	Image
20497	Wheeled steel cage incl. metercounter for ϕ 15mm galvanized / powder coated ϕ 1400 mm	
20405	Wheeled steel cage incl. double outlet system and metercounter for ϕ 7,5 mm and 9 mm galvanized / powder coated ϕ 730 mm	
20442	Cage-flexible leading head-set - Runposticks 13 parts	
20382	Roller ϕ 50mm aluminium / stainless steel RUNPOTEC RTG ϕ 12 mm thread	
20383	Shackle stainless steel RUNPOTEC RTG ϕ 12 mm thread	
20404	Starting head ϕ 30 mm stainless steel RUNPOTEC RTG ϕ 12 mm thread	
20409	Starting head ϕ 20 mm stainless steel RUNPOTEC RTG ϕ 12 mm thread	
20387	Swivel joint stainless steel RUNPOTEC RTG ϕ 12 mm thread	
20461	Metercounter for steel cage ϕ 730 mm	
20462	Metercounter for steel cage ϕ 1000 mm	
10138	capstan winch CW 800 E incl. steel trolley mounting rail and strap for horizontal cable pulling	
10148	Capstan winch CW 800 E without trolley incl. strap for horizontal cable pulling	
10149	Steel trolley mounting rail	

4.2 Cable Pulling System (Continued)

Code	Description	Image
10169	Polyester pulling rope incl. steel cage - Rope \varnothing 8mm	
10167	Polyester pulling rope incl. steel cage - Rope \varnothing 10mm	
10120	Polyester pulling rope incl. steel cage - Rope \varnothing 12mm	
20621	Polyester pulling rope on drum - Rope \varnothing 8mm	
20619	Polyester pulling rope on drum - Rope \varnothing 10mm	
20615	Polyester pulling rope on drum - Rope \varnothing 12mm	
10176	connection swirl with swivel \varnothing 30 mm L 144 mm stainless steel tension load 1500 kg fork- \varnothing 12 mm	
30010	Metal spiral with special eyelet - \varnothing 4mm	
20060	Nylonspirale - \varnothing 4mm	

4.3 Inspection System

Code	Description	Image
10139	Runpocam RC 2	
20593	RC 2 camera probe with cable	
20606	System glieder RC2	
20481	Flexible camera probe 0.8m	
20488	Flexible camera probe 1m	
20607	RC2 thread attachment	
20483	Micro memory card 8GB	
20475	Magnet fishing set	
20484	Connection thread set	
20509	Flexible attachment	
10108	RUNPOMETER RM80 - Laser distance meter	
10137	Profi cable roller XB 300	

4.4 Cable Roller Systems

Code	Description	Image
10136	Profi cable roller XB 500	
10134	Cable drum roller PRO 530	
10135	Cable drum roller PRO 670	
10142	Roll-off rails AS 900	

5.0 Utility Tools

Full suite of utility tools and associated tool sets



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5.1 End stripping Tools

Code	Description	Image
36001H	4 x 4 Body	
36000-###	4 x 4 Plus w/4 Square Cut Bushings	
36000-###	4 x 4 Plus w/4 Chamfer Cut Bushings	

5.2 Standard Kit Sets of Electrical Wire

Code	Description	Image
34695	THHN CU	
34910	XHHW CU	

5.3 Primary Distribution Tools

Code	Description	Image
38210-048	RMS Mid-Span Stripper Kit	
17200-###	WS1 (Standard, Ring & Hook, w/CB1 or CB2 Blade)	
17500-###	WSP1 (Plastic Handles, w/CB1 or CB2 Blade)	

5.4 Speciality Distribution Tools

Code	Description	Image
35150	PIT-1T (Load Break Probe Insertion Tool Torque Delivery System)	
27620	PIT-2 (35KV Load Break, 1" Hex End)	
35900	LBIT-1T Load Break Bushing Insert Tool (180 in-lb)	

5.5 Transmission Tools

Code	Description	Image
34320	WS57 Adjustable End Stripper	
34735	WS57A Adjustable End Stripper & Semi-con Shaver	
34327	CB144 Replacement Blade - End Strip (for the WS 57)	

5.6 Utility Accessories

Code	Description	Image
10500	SW2 Ratchet Wrench (For WA1, WA3 Adapters, WS5, WS6, WS7/7A & 8/8A, WS17)	
12920	WA1 Wrench Adapter (For WS6)	
12930	WA3 Wrench Adapter (For WS6, Stop Bar Extension)	

5.7 Electrical Industrial Tools

Code	Description	Image
80365	60 Utility Cutter	
80285	85 Long Nose Plier	

5.8 Electrical Scissors

Code	Description	Image
46043	925 CS 5" Elec. Scissors w/notch & Serrated	
46046	925 CS Ergonomic Electrician Scissor	
46050	925 FSA 5" Elec. Scissors - Fine Serration	

6.0 Safety Equipment

Full suite of safety Equipment ranging from head, eye, ear protection to road safety.





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6.1 Head Protection

Code	Description	Image
AJS260-000-100	<p>EVOLite Skyworker c/w CR2 Silver & 6 Colour with bespoke branding options available in a Padded Bag Boxed</p> <p>Available in colour:</p> <ul style="list-style-type: none"> • White • Yellow • Blue • Green • Orange • Red • Black 	
AHV150-001-600	Hi-Vis Neck Cape with UPF50 Sun Protection	
AHV000-400-000	Cold Weather Comforter	
ANW060-230-008	Surefit Carrier & 20cm Visor - EVO Helmet	
ANX100-130-000	Forestry Mesh EN1731-S	
ANX060-230-000	Surefit Replacement Visor Polycarbonate EN166 1 B39	
AHV860-000-800	Vislite EVOLite Range Orange LED Lighting	
AJA840-000-200	Chamlon EVO Sweatband - To Fit EVOLite, EVO2, EVO3 & EVO5	
AHV002-301-100	Thermal Hemet Liner	

6.2.1 Ear Defenders

Code	Description	Image
AEB040-0A1-A00	Sonis 3 Ear Defenders - with bespoke branding options available	
AEB040-0A1-A00	Sonis 3 Helmet Mounted Ear Defenders - with bespoke branding options available	
AEB030-0CY-000	Sonis Compact Ear Defenders Helmet Mounted Dark Grey Cup / Extra Visibility Orange Plate - with bespoke branding options available	
AEE110-060-200	Maxfit Pro Ear Plugs with Cord	
AEE020-060-000	Megaplug Ear Plugs with Cord	



6.2.2 Eye Protection

Code	Description	Image
ASA770-16R-100	Stealth 9000 Safety Spectacles - Clear with bespoke branding options available	
ASA770-16R-101	Stealth 9000 Safety Spectacles - with bespoke branding options available	
2STONEV23C	Stone & Flight Goggle Clear Lens Light Grey Translucent PVC Frame AS/AF	
AGM020-623-000	EVO Indirect Vent Goggle N Rated	
ASU150-001-100	Zipped Hard Spectacle Case	

6.3 Respiratory Protection

Code	Description	Image
BH-TOA3-0L5-N00	Force 8 Half Mask Respirator Ready Fitted with Press To Check P3 Filters	
BPT170-011-000	Force 8 Belt Bag (Holds Mask & Filters)	
BMN990-001-700	Press To Check P3 Dust Filters - Pack of 2	
BEY130-201-A00	Typhoon Fold Flat Mask FFP3V (335) Box of 10	
BEK136-101-A00	Typhoon Moulded Mask FFP3V (335) Box of 10	
BTB000-000-100	Force 8 Storage Container	
BHG003-1L5-000	Force 8 Half Mask Small	
BHT003-0L5-000	Force 8 Half Mask Medium	
BHG003-2L5-000	Force 8 Half Mask large	

6.4 Traffic Protection

Code	Description	Image
KBW023-000-607OPENR	4 Gate Portagate with Reflective, with bespoke branding options available	
KEV000-000-200	Yellow Workgate Feet - standard black is an option	
JBC049-200-600	50cm Road Hog	

7.0 Light & Torches

Full suite of Lights, Torches, Flashlights, Headlamps And Accessories



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7.1 Saint Torch-Series

Code	Description	Image
1.1	Saint Torch 30 <ul style="list-style-type: none"> 5600 Lumen Ultra Bright Rechargeable Search Torch 	
1.2	Saint Torch 11 <ul style="list-style-type: none"> Ultra-long Throw Rechargeable Search Torch 	
1.3	Saint Torch 10 <ul style="list-style-type: none"> 3200 Lumen High Output Rechargeable Search Torch 	
1.4	Saint Torch 3 <ul style="list-style-type: none"> 2600 Lumen High Output USB Rechargeable Search Torch 	
1.5	Saint Torch 1	

7.2 T&P-SERIES

Code	Description	Image
2.1	TA30 <ul style="list-style-type: none"> Ultra Bright One Step Strobe Tactical Flashlight 	
2.2	TA15 <ul style="list-style-type: none"> High Output Multiple Battery Compatible Tactical Backup 	
2.3	TA5 <ul style="list-style-type: none"> High Output Rechargeable One Step Tactical Breaching Partner 	
2.4	K3T <ul style="list-style-type: none"> High Output Tactical Pen Light 	
2.5	TA40 <ul style="list-style-type: none"> 1040 Lumen Ultra Bright Tactical Flashlight 	
2.6	<ul style="list-style-type: none"> T6A High Output Xenon Flashlight 	
2.7	P60 <ul style="list-style-type: none"> Ultra-high Output USB Rechargeable Duty Flashlight 	
2.8	PA5 <ul style="list-style-type: none"> 360° Rotate Focus Adjustable USB Rechargeable Flashlight 	






7.2 T&P-SERIES (Continued)

Code	Description	Image
2.9	WL50IR • White and IR LED Weapon Light	
2.10	WL31 • Weapon Light and Laser Combo	
2.11	WL10X • Executor Single CR123A High Output Weapon Light	
2.12	P5X	






7.3 P5 Dual-Light

Code	Description	Image
3.1	P5G • 800 lumens/200 lumens two light sources offer full beam of white and green light. CREE XPL-V5 LED& CREEXPG-R5 green LED, powered by 2600 18650 battery 1 meter water proof and 1 meter impact resistance. Blue/white; Red/White; UV/white	
3.2	P5R • 800 lumens/ 131 lumens two light sources offer full beam of white and red light . CREE XPL-V5 LED & CREEXPG-R5 red LED , powered by 2600 18650 battery 1 meter water proof and 1 meter impact resistance . Blue/white; Red/White; UV/white	
3.3	P5B • 800 lumens/ 80 lumens two light sources offer full beam of white and blue light. CREE XPL-V5 LED& CREEXPG-R5 blue LED, powered by 2600 18650 battery 1 meter water proof and 1 meter impact resistance. Blue/white; Red/White; UV/white	
3.4	P5W • 800 lumens/ 365 lumens two light sources offer full beam of warm white light. CREE XPL-V5 LED& CREEXPG-R5 Warm white LED, powered by 2600 18650 battery 1 meter water proof and 1 meter impact resistance. Blue/white; Red/White; UV/white	
3.5	P5IR • 800 lumens/ 500 lumens two light sources offer full beam of infrared red light. CREE XPL-V5 LED& CREEXPG-R5 infrared red LED, powered by 2600 18650 battery 1 meter water proof and 1 meter impact resistance. Blue/white; Red/White; UV/white	
3.6	P5UV • 800 lumens/ 1000 lumens two light sources offer full beam of ultra violet light . CREE XPL-V5 LED& CREEXPG-R5 green ultra violet, powered by 2600 18650 battery 1 meter water proof and 1 meter impact resistance. Blue/white; Red/White; UV/white	




7.4 Flashlight Set

Code	Description	Image
4.1	"P5G Set <ul style="list-style-type: none"> White and Green DUAL-LIGHT USB Direct Charging Flashlight Set" 	
4.2	"PA5 Set <ul style="list-style-type: none"> 360° Rotate Focus Adjustable USB Rechargeable Flashlight Set" 	
4.3	"TA40 Hunting Set <ul style="list-style-type: none"> 1040 Lumen Flashlight Set with Magnetic Mount" 	
4.4	"TA40 Rechargeable Set <ul style="list-style-type: none"> 1040 Lumen Ultra Bright Tactical Flashlight" 	
4.5	"T6A Set <ul style="list-style-type: none"> Classic Design for Hunting Market" 	
4.6	T6G Set	




7.5 myTorch S-Series

Code	Description	Image
5.1	"myTorch S 18650 <ul style="list-style-type: none"> Ultra Bright USB Rechargeable Smart Torch" 	
5.2	"myTorch S XL <ul style="list-style-type: none"> Ultra Bright USB Rechargeable Smart Torch" 	
5.3	"myTorch S AA <ul style="list-style-type: none"> Lightweight USB Rechargeable EDC Flashlight" 	
5.4	"myTorch S 2AA <ul style="list-style-type: none"> Lightweight USB Rechargeable EDC Outdoor Flashlight" 	
5.5	"myTorch S 3AAA <ul style="list-style-type: none"> Lightweight USB Rechargeable EDC Outdoor Flashlight" 	





7.6 E-Series

Code	Description	Image
6.1	"E6 <ul style="list-style-type: none"> 900 Lumen Compact Flashlight with One Step Turbo" 	
6.2	"E51 <ul style="list-style-type: none"> High-Output Rechargeable Pocket EDC Flashlight" 	
6.3	"E20 <ul style="list-style-type: none"> Lightweight 2 x AA CREE XP-G2 LED Flashlight" 	






7.7 S-Series

Code	Description	Image
7.1	"K11 <ul style="list-style-type: none"> Ultra Bright Mini Key chain Light" The 100 lumen K11 is a new version of our popular K1 powered by one single AAA battery. Inherits the K1's compact body and stylish appearance, the K11 is ultra-lightweight with 15.4 grams excluding battery and measures only 65.6 mm long, perfect size to fit for your key chain and carry around. 	
7.2	"K21 <ul style="list-style-type: none"> High-performance Multi-purpose Pocket Light" The NEXTORCH K21 is a new model of our pocket lights. Powered by one easy-to-find AA battery, the 79mm K21 gives out 160 lumens with max 14 hours of runtime. Equipped with a sturdy clip and strong magnetic tail cap, this small light will go with you anywhere. Whether you place it to your pocket, clip it to the brim of your cap as a cap light, or attach to any metal surface as you needs, the K21 can give you multiple hands-free lighting options. 	
7.3	"K3 <ul style="list-style-type: none"> High-performance LED Penlight" Our best-seller NEXTORCH K3 Clip-and-Go penlight is powered by two AAA batteries, continuing the NEXTORCH tradition of compact design for daily use. The feedback on the K3 from customers is outstanding. Maintenance personnel, mechanics, and those who use it for personal daily use, swear by this model, calling it the brightest, toughest, and the most reliable pen light they have ever used. The K3 produces an extremely powerful 180 lumens, with four selectable modes and 38 hours max runtime. 	


7.7 S-Series (Continued)

Code	Description	Image
7.4	<p>"Dr.K3</p> <ul style="list-style-type: none"> Flashlight Designed for Clinical use (RG0, RA>90, CCT5000K)" NEXTORCH is proud to announce another Pro's Light member - the first NEXTORCH medical flashlight, DrK3. The initiative kick started when a customer who also happens to be a doctor came to us requesting a "perfect doctors light". Equipped by light color full spectrum daylight white 5000 Kelvin with CRI RA >90% of the subject detail, and a photobiological safety of blue light hazard exempted RGO rating, DrK3 has met the challenge and finally made its debut to enlighten medical professionals all over the world. 	 <p>42 LUMENS</p>
7.5	<p>"UL360</p> <ul style="list-style-type: none"> 360° Utility Pocket Lantern" UL360 is named "Pocket Lantern" since it fits in the palm and can be carried in the pocket. This little thing is powered by single AA battery that can light up to 70 lumens, reaching for up a 5m2 area. Pocket Lantern can stand up and rotate 360 degrees to point a desired angle for comfortable lighting. Most interesting of all, Pocket Lantern comes with a magnetic bottom plate, a bungee cord and a S-Biner, which offer countless mounting options that makes UL360 fit in almost everywhere. UL360 Pocket Lantern is truly a handy illumination device which is perfect for EDC carry, outdoor camping and emergency light source. 	
7.6	<p>"GL20</p> <ul style="list-style-type: none"> 2-in-1 Laser Key chain Light GL20 is a whole new kind of key chain light. The concept of GL20 is having a visible laser integrated in a light while still maintain a small and light-weight package. This design is extremely helpful to people who do a lot of presentation work. GL20 has a built-in Li-ion battery pack and weight only 16.3 grams overall. GL20 also comes with a low battery indicator and a micro USB charging interface charges through micro USB cable. 	 <p>60 LUMENS</p>
7.7	<p>"UL10</p> <ul style="list-style-type: none"> Compact Multi-purpose Clip Light The most versatile light is here. The UL10 is a 65lm utility light which rides on a multi-purpose clip mount. The light can be mounted virtually anywhere: baseball caps, shoulder straps, pocket edges, webbing gears, belts... anywhere you can think of. Once set it can adjust 180 degrees or flip sides if needed. Runs on 2 AAA batteries and weights only 49.5 gram (battery included). UL10 is a convenient light that will fit all sorts of tasks. 	 <p>65 LUMENS</p>



7.8 H-Series

Code	Description	Image
8.1	<p>"myStar</p> <ul style="list-style-type: none"> • 360° Focus-adjustable Rechargeable Headlamp • NEXTORCH myStar is a cutting edge light-weight rechargeable hands-free solution. Equipped with NEXTORCH patented Fresnel lens, my Star achieves focus shift by simple rotation, meeting varied needs of new from close to distant field at night distant field of view at night. The whole system is unbelievable light-weight and comfortable for long-time wearing. High volume lithium-ion battery pack ensures the high performance. An integrated red beacon on the battery pack functions as a safety feature, plus the built-in micro USB charging port facilitating convenience charging. 	
8.2	<p>"VIKER STAR</p> <ul style="list-style-type: none"> • High-output Multi-mode LED Headlamp" 	
8.3	<p>"TREK STAR</p> <ul style="list-style-type: none"> • Ultra Bright Multi-mode LED Headlamp • The Trek Star is our lightweight ultra bright multi-mode LED headlamp, with a max output of a powerful 220 lumens. At less than half the weight of ordinary headlamps and multi-mode capability, including white and red LED output. The Trek Star withstands temperatures between -25°C to 60°C (-13°F to 140°F) and comes in your choice of 6 colors. The Trek Star is the perfect choice for outdoor and industrial usage. 	
8.4	<p>"ECO STAR</p> <ul style="list-style-type: none"> • Lightweight Headlamp and Clip Light Combo • ECO STAR is a lightweight headlamp and clip light combo powered by 2xAAA batteries with max output up to 48 lumens, for 61g and 49.5g in weight respectively. It features the detachable design, able to be used as a comfortable headlamp with the adjustable headband, or function as a multi-purpose clip light to be mounted onto almost anything you want, like caps, pockets, webbings, belts, etc., which is a really convenient light solution to meet your diversified needs. 	
8.5	<p>"TREK STAR UV</p> <ul style="list-style-type: none"> • Ultra Bright White & UV LED Headlamp • The Trek Star UV is our lightweight ultra bright multi-mode LED headlamp, with a max output of a powerful 220 lumens. It is a less than half the weight of ordinary headlamps and with multi-mode capability, including white and red LED output, preset with four lighting modes. The Trek Star UV withstands temperatures between -25°C to 60°C (-13°F to 140°F) and is the perfect choice for outdoor and industrial usage. 	

7.8 H-Series (Continued)

Code	Description	Image
8.6	<p>"ECO STAR UV</p> <ul style="list-style-type: none"> Lightweight White & UV LED Headlamp Eco Star UV is our lightweight White & UV LED headlamp. The UV LED is specially designed for finding scorpions, detecting fraudulent currency, passports and IDs, crime scenes analysis and hunting. Preset with three lighting modes. With a max output up to 48 lumens and up to 49 hours runtime, the ECO STAR UV will satisfy your various lighting demands. 	

7.9 Birke Light

Code	Description	Image
9.1	<p>"B10</p> <ul style="list-style-type: none"> 4 x AA High Output Bike Light With Rectangular Spot (Designed for urban city and around-town commuting) The NEXTORCH B10 is a perfect light for riding, urban city and around-town commuting. It features patented RSL technology to provide a unique rectangular spot, delivering a 160-degree wide beam and whole-road lighting for greater visibility to guarantee rider's comfort and safety. The anti-glare design can focus the light on the roadway without dazzling the oncoming drivers and pedestrians. The B10 has 4 modes, max output up to 420 lumens powered by 4xAA batteries, a low battery indicator keeps you from getting caught in the dark. The bracket allows you to quickly and easily attach the B10 to virtually any handlebars. 	
9.2	<p>"B20</p> <ul style="list-style-type: none"> 700 Lumen Bike Light with Remote Pressure Switch (Professional Bicycle Lighting Solution with: head light, remote pressure switch, waterproof carry bag, safety light) Featuring NEXTORCH patented RSL technology, the B20 can generate a broad 260 degree wide beam with a long range of 100 meters, providing drivers an excellent visibility of the entire road lighting to ensure safety. The specialized anti-glare design diffuses a large portion of the beam, keeping the pedestrians from blinding or disturbing by possible glare. Powered by external mobile power, the B20 is compatible with most power banks in the market and has four levels of brightness, covering a range from 100 to 700 lumens. The interface is easy to operate simply by either pressing the button of the light or using the remote pressure switch. The coming universal strap mount allows to quickly attach or detach from the bracket. 	





7.10 GLO-TOOB

Code	Description	Image
10.1	GT-AAA7 • GLO TOOB high intensity 60 meters waterproof light with 3 modes, Powered by AAA battery	
10.2	GT-AAA PRO • GLO TOOB high intensity 60 meters waterproof light with 3 modes, Powered by AAA battery	
10.3	GT-AAA IR • 850 IR invisible light. GLO TOOB high intensity 200 meters waterproof light with 3 modes, Powered by AAA battery	
10.4	GTK • Designed to work with Ops-core ARC rail . Molle/pals Webbsing base plaste, fits any 1" webbing . velcro attaching option provided , quick don-and-off operation; two color available , black and sand	









7.11 Accessories

Code	Description	Image
11.1	"3400mAh USB Rechargeable 18650 Battery" • 3.6V 3400 mAh Rechargeable Li-ion Battery with USB port	
11.2	"750mAh USB Rechargeable • 3.6V 750mAh Rechargeable Li-ion Battery, AA size with USB port ,cable included	
11.3	2600mAh 18650 • 3.7V 2600MAH Rechargeable Li-Ion Battery - Blister Pack	
11.4	18650 Charger Kit • 2600mAh 18650 Rechargeable lithium-ion battery with In-car & Direct chargers	
11.5	"V1/V2 Durable nylon Holster" • Nylon Holster	
11.6	"V5 Tactical Holster" • 360° rotatable quick draw feature with a lever side lock mechanism , fits belts 2" width or lower	

7.11 Accessories (Continued)

Code	Description	Image
11.7	FR-1 <ul style="list-style-type: none"> Tactical Flashlight Ring , specially designed for TA30 , also fit flashlight with diameter of 23.2-25.5mm 	
11.8	RM85 <ul style="list-style-type: none"> Fits flashlight body size 20-28mm(0.79"-1.1") , fits scope body size:25.6-30mm(1.0"-1.18") 	
11.9	RM85S <ul style="list-style-type: none"> Fits flashlight body size 20-28mm(0.79"-1.1") , fits scope body size:25.6-30mm(1.0"-1.18") 	
11.10	RM25S <ul style="list-style-type: none"> 25mm (1") Picatinny Weaver Gun Holder 	
11.11	RM87 <ul style="list-style-type: none"> Fits flashlight body size 20-28mm 	
11.12	FT32 <ul style="list-style-type: none"> Filter Kit with Holder. Red/Green/Blue 	
11.13	BM1 <ul style="list-style-type: none"> Quick ATTACH/Release Bike clip 360Angle Rotatable 	
11.14	HM1	
11.15	LC6 BW0053 <ul style="list-style-type: none"> Lens Cleaning Cloth 	
11.16	SL6 BW0134 <ul style="list-style-type: none"> Silicon Grease 	
11.17	TF1 <ul style="list-style-type: none"> Durable Nylon Rotatable Holster 	
11.18	TC1 <ul style="list-style-type: none"> Travel Case with belt loop, Carry the headlamp and spare 3*AAA batteries. 	
11.19	G46-A <ul style="list-style-type: none"> Carry Strap 	
11.20	LT2113 <ul style="list-style-type: none"> Nylon Holster 	

7.11 Accessories (Continued)

Code	Description	Image
11.21	V1438 <ul style="list-style-type: none"> Nylon Holster 	
11.22	DC1 <ul style="list-style-type: none"> USB Power Adopter with Universal Plugs 	
11.23	2600mAh 18650 Set <ul style="list-style-type: none"> 2600mAh 18650 Rechargeable lithium-ion battery with In-car & Direct chargers 	
11.24	CR123A-2P <ul style="list-style-type: none"> Energizer CR123A Lithium Battery (1400mah) 2unit-Blister Pack 	
11.25	14500 <ul style="list-style-type: none"> 3.6V 3400 mAh Rechargeable Li-ion Battery with USB port 	
11.26	TS-XL <ul style="list-style-type: none"> Remote switch 40cm (1.58") in length 	
11.27	TS4-L <ul style="list-style-type: none"> TA40 Remote Switch,1.58 feet (40cm) in length 	
11.28	TS5-L <ul style="list-style-type: none"> PA5 , P5C Remote Switch, 	
11.29	TS6-S/L <ul style="list-style-type: none"> Remote Switch 40 cm in Length 	
11.30	RM81 <ul style="list-style-type: none"> 17-25 mm (0.67"-1") Gun Holder 	
11.31	RM82 <ul style="list-style-type: none"> 13-20 mm (0.51"-0.79") Gun Holder 	
11.32	FT32F <ul style="list-style-type: none"> Filter Kit with foldable Holder. Red/Green/Blue 	

7.11 Accessories (Continued)

Code	Description	Image
11.33	L66 G2 <ul style="list-style-type: none"> CREE® XPE2-G2 white LED Bulb unite, 380 lumens output 	
11.34	L66 G <ul style="list-style-type: none"> CREE® XPE2-R3 GREEN LED Bulb unite, 200 lumens output 	
11.35	L99 <ul style="list-style-type: none"> 3W CREE® XPE R3 LED Upgrade - Single Output, 210 max lumens 	

7.12 Display

Code	Description	Image
12.1	Flashlight Point-Of-Sale Display	
12.2	UL360 Counter Stand	
12.3	GLO-TOOB Point-Of-Sale Display	
12.4	T/P Series Counter Stand	
12.5	myTorch Counter Stand	
12.6	Interactive Display	

8.0 Electrical Tape

Full suite of Electrical, automotive, wrapping and telecoms



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8.1 PVC Electrical Tape Series

Code	Description	Image
10.1.1	PVC Electrical Tape RoHS Approval	
10.1.2	PVC Electrical Flame Retardant Tape	
10.1.3	PVC Electrical Tape (RoHS Approval)	
10.1.4	PVC Electrical Flame Retardant Tape	
10.1.5	PVC Electrical Tape	
10.1.6	Low Temperature Resistant PVC Electrical Tape	
10.1.7	PVC Electrical Water-proof Tape	
10.1.8	PVC Electrical Tape Ground Wire Marking	
10.1.9	PVC Electrical Flame Retardant Tape (UL Approval)	
10.1.10	PVC Electrical Flame Retardant Tape (VDE Approval)	

8.2 Automotive Wire Harness Tape Series

Code	Description	Image
10.2.1	PVC Automotive Wire Harness Tape	
10.2.2	PVC Automotive Wire Harness Flame Retardant Tape	
10.2.3	Low VOC PVC Automotive Wire Harness Tape	
10.2.4	High Temperature Resistant PVC Automotive Wire Harness Tape	
10.2.5	Automotive Polyester Fabric Wire Harness Tape	
10.2.6	Automotive Polyester Velours Fabric Wire Harness Tape	

8.3 Functional Tape Series

Code	Description	Image
10.3.1	Degaussing Coil PVC Electrical Tape	
10.3.2	PVC Sandblasting Protective Tape	

8.4 PVC Wrapping Tape Series

Code	Description	Image
10.4.1	Air Conditioner Pipe Wrapping Tape	
10.4.2	PVC Wrapping Tape	

8.5 High Voltage Self-fusing Rubber Tape Series

Code	Description	Image
10.5.1	Ethylene-propylene Rubber Self-fusing Tape	
10.5.2	Ethylene-propylene Rubber Self-fusing Tape	

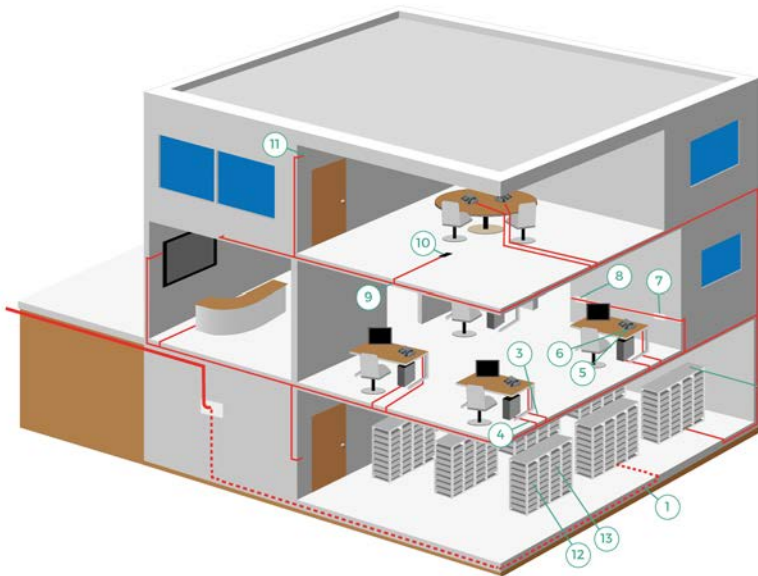
8.6 Fiber Insulating Tape Series

Code	Description	Image
10.6.1	Fiber Insulating Tape	

9.0 Structured Cabling

Full range of Copper and Fibre Data Network Cabling

DEXGREEN
CAT P Product Layout Diagram



DEXGREEN

We collaborate, innovate & deliver

9.1 Copper Data Networks

Code	Description	Image
9351 1520	Data cable 1500 S/FTP Cat. 7A	
9352 1520	Data cable 1500 S/FTP Cat. 7A	
9301 1520.1	Data cable 1500 S/FTP Cat. 7A	
9302 1520.1	Data cable 1500 S/FTP Cat. 7A	
9301 1220	Data cable 1200 S/FTP Cat. 7A	
9302 1220	Data cable 1200 S/FTP Cat. 7A	
9301 1130	Data cable 1150 S/FTP Cat. 7A	
9302 1130	Data cable 1150 S/FTP Cat. 7A	
9301 1030	Data cable 1000 S/FTP Cat. 7	
9302 1030	Data cable 1000 S/FTP Cat. 7	
5040 707	Cable connector LSA Cat. 7	
5040 706	Cable connector LSA Cat. 6	
6929 9000	Keystone with optional 90° adapter for vertical cable outlet	
6929 4000	Data protection cap KS Grey	
6929 4001	Data protection cap KS Yellow	
6929 4002 2	Data protection cap KS Green	
6929 4003	Data protection cap KS Blue	
6929 4005	Data protection cap KS Red	
6929 4008	Data protection cap KS Black	
8010 109	Parallel crimping pliers	

9.1 Copper Data Networks (Continued)

Code	Description	Image
6925 1052	RJ45 coupling KS IPS 500 MHz, Class EA PL as per ISO/ IEC 11801 AMD2 10 GB	
6925 1022	RJ45 coupling KS IPS 250 MHz, Class E PL as per ISO/ IEC 11801 1 GB	
6921 9100	24x, 1 RU empty housing	
6921 9108	24x, 1 RU empty housing	
6921 9110	24x, 1 RU empty housing, modules' RJ45 contacts at the top	
6921 9118	24x, 1 RU empty housing, modules' RJ45 contacts at the top	
6921 9120	48x, 1.5 RU empty housing HD	
6929 3200	Labelling strips for patch panels KS, 3-part	
6922 1011	1-way Keystone support KS	
6922 2011	2-way Keystone support KS	




9.1 Copper Data Networks (Continued)

Code	Description	Image
6922 3011	3-way Keystone support KS	
6922 2020#10	Multi-design 2-way Keystone support KS	
6923 1600	6-way/12-way consolidation-point housing KS	
6923 2600	5-way supporting frame	
6923 2900	9-way supporting frame	
6923 2000	Cable fixation for supporting frame, height: 60 mm	
6922 2222	2-way surface-mounted data connection housing	

9.1 Copper Data Networks (Continued)

Code	Description	Image
6922 2223	2-way surface-mounted data connection housing	
6929 0000	Dummy plug, similar to RAL 9010 (pure white)	
6929 0001	Dummy plug, similar to RAL 7035 (light grey)	
6929 0008	Dummy plug, similar to RAL 9010 (jet black)	
5050 012/SW	RJ45 dummy plug, black	
5050 012/GR	RJ45 dummy plug, grey	
3030 122/M	DIN rail adapter, M5 thread	
6923 0100	1x DIN rail module bracket KS Width 23 mm	
6923 0200	2x DIN rail module bracket KS Width 42 mm	
6923 0101	1x DIN rail module housing KS	
6671 016.1	Module bracket KS, flexible	
6931 1410	RJ45 patch panel LSA IPS 500	

9.1 Copper Data Networks (Continued)

Code	Description	Image
6931 1418	Class EA PL* as per ISO/IEC 11801 AMD2	
6931 1400	RJ45 patch panel LSA IPS 500 HD	
6932 1211	RJ45 outlet CobiDat LSA IPS 250	
3020 003/0.2	LSA universal test cord 7052, 2-pin (0.2m)	

9.1 Copper Data Networks (Continued)

Code	Description	Image
7501 3000/0.5 m	RJ45 patch cable Cat. 6A (10GB)	Grey 
7501 3000/1.0 m	RJ45 patch cable Cat. 6A (10GB)	
7501 3000/2.0 m	RJ45 patch cable Cat. 6A (10GB)	Yellow 
7501 3000/3.0 m	RJ45 patch cable Cat. 6A (10GB)	
7501 3000/5.0 m	RJ45 patch cable Cat. 6A (10GB)	Green 
7501 3000/7.0 m	RJ45 patch cable Cat. 6A (10GB)	
7501 3000/10.0 m	RJ45 patch cable Cat. 6A (10GB)	Blue 
		
		Red 
		
		Black 
		
		White 
		

9.1 Copper Data Networks (Continued)

Code	Description	Image
7501 2000/0.5 m	RJ45 patch cable Class EA (10GB)	<p>Grey</p>
7501 2000/1.0 m	RJ45 patch cable Class EA (10GB)	
7501 2000/2.0 m	RJ45 patch cable Class EA (10GB)	<p>Yellow</p>
7501 2000/3.0 m	RJ45 patch cable Class EA (10GB)	
7501 2000/5.0 m	RJ45 patch cable Class EA (10GB)	<p>Green</p>
7501 2000/7.5 m	RJ45 patch cable Class EA (10GB)	
7501 2000/10.0 m	RJ45 patch cable Class EA (10GB)	<p>Blue</p> <p>Red</p>

9.1 Copper Data Networks (Continued)

Code	Description	Image
7501 1000/0.5 m	RJ45 patch cable Cat. 6 (1GB)	<p>Grey</p> 
7501 1000/1.0m	RJ45 patch cable Cat. 6 (1GB)	<p>Yellow</p> 
7501 1000/2.0m	RJ45 patch cable Cat. 6 (1GB)	<p>Green</p> 
7501 1000/3.0m	RJ45 patch cable Cat. 6 (1GB)	<p>Blue</p> 
7501 1000/5.0m	RJ45 patch cable Cat. 6 (1GB)	<p>Red</p> 
7501 1000/7.0m	RJ45 patch cable Cat. 6 (1GB)	
7501 1000/10.0m	RJ45 patch cable Cat. 6 (1GB)	

9.1 Copper Data Networks (Continued)

Code	Description	Image
7501 3000/0.5A1A1	RJ45 patch cable Class EA/Draka UC900 + Hirose TM31 (10GB)	Grey
7501 3000/1.0A1A1	RJ45 patch cable Class EA/Draka UC900 + Hirose TM31 (10GB)	Yellow
7501 3000/2.0A1A1	RJ45 patch cable Class EA/Draka UC900 + Hirose TM31 (10GB)	Green
7501 3000/3.0A1A1	RJ45 patch cable Class EA/Draka UC900 + Hirose TM31 (10GB)	Blue
7501 3000/5.0A1A1	RJ45 patch cable Class EA/Draka UC900 + Hirose TM31 (10GB)	Red
7501 3000/10A1A1	RJ45 patch cable Class EA/Draka UC900 + Hirose TM31 (10GB)	






9.1 Copper Data Networks (Continued)

Code	Description	Image
7501 3000/0.5A1A2	RJ45 patch cable Class EA/Draka UC900 + Hirose TM21 (10GB)	Grey 
7501 3000/1.0A1A2	RJ45 patch cable Class EA/Draka UC900 + Hirose TM21 (10GB)	Yellow 
7501 3000/2.0A1A2	RJ45 patch cable Class EA/Draka UC900 + Hirose TM21 (10GB)	Green 
7501 3000/3.0A1A2	RJ45 patch cable Class EA/Draka UC900 + Hirose TM21 (10GB)	Blue 
7501 3000/5.0A1A2	RJ45 patch cable Class EA/Draka UC900 + Hirose TM21 (10GB)	Red 
7501 3000/10A1A2	RJ45 patch cable Class EA/Draka UC900 + Hirose TM21 (10GB)	






9.1 Copper Data Networks (Continued)

Code	Description	Image
7501 3000/0.5A1B1	RJ45 patch cable Class EA/Draka UC900 + AMP EMT (10GB)	<p>Grey</p>
7501 3000/1.0A1B1	RJ45 patch cable Class EA/Draka UC900 + AMP EMT (10GB)	<p>Yellow</p>
7501 3000/2.0A1B1	RJ45 patch cable Class EA/Draka UC900 + AMP EMT (10GB)	<p>Green</p>
7501 3000/3.0A1B1	RJ45 patch cable Class EA/Draka UC900 + AMP EMT (10GB)	<p>Blue</p>
7501 3000/5.0A1B1	RJ45 patch cable Class EA/Draka UC900 + AMP EMT (10GB)	<p>Red</p>
7501 3000/10A1B1	RJ45 patch cable Class EA/Draka UC900 + AMP EMT (10GB)	






9.1 Copper Data Networks (Continued)

Code	Description	Image
7501 3000/0.5A1C1	RJ45 patch cable Class EA/Draka UC900 + Stewart SS-39200 (10 GB)	<p style="text-align: center;">Grey</p> 
7501 3000/1.0A1C1	RJ45 patch cable Class EA/Draka UC900 + Stewart SS-39200 (10 GB)	<p style="text-align: center;">Yellow</p> 
7501 3000/2.0A1C1	RJ45 patch cable Class EA/Draka UC900 + Stewart SS-39200 (10 GB)	<p style="text-align: center;">Green</p> 
7501 3000/3.0A1C1	RJ45 patch cable Class EA/Draka UC900 + Stewart SS-39200 (10 GB)	<p style="text-align: center;">Blue</p> 
7501 3000/5.0A1C1	RJ45 patch cable Class EA/Draka UC900 + Stewart SS-39200 (10 GB)	<p style="text-align: center;">Red</p> 
7501 3000/10A1C1	RJ45 patch cable Class EA/Draka UC900 + Stewart SS-39200 (10 GB)	






9.1 Copper Data Networks (Continued)

Code	Description	Image
7501 3000/0.5B1A1	RJ45 patch cable Class EA/Kerpen MegaLine® F6-90 + Hirose TM31 (10GB)	<p>Grey</p> 
7501 3000/1.0B1A1	RJ45 patch cable Class EA/Kerpen MegaLine® F6-90 + Hirose TM31 (10GB)	<p>Yellow</p> 
7501 3000/2.0B1A1	RJ45 patch cable Class EA/Kerpen MegaLine® F6-90 + Hirose TM31 (10GB)	<p>Green</p> 
7501 3000/3.0B1A1	RJ45 patch cable Class EA/Kerpen MegaLine® F6-90 + Hirose TM31 (10GB)	<p>Blue</p> 
7501 3000/5.0B1A1	RJ45 patch cable Class EA/Kerpen MegaLine® F6-90 + Hirose TM31 (10GB)	<p>Red</p> 
7501 3000/10B1A1	RJ45 patch cable Class EA/Kerpen MegaLine® F6-90 + Hirose TM31 (10GB)	


9.1 Copper Data Networks (Continued)

Code	Description	Image
7501 3000/0.5B1A2	RJ45 patch cable Class EA/Kerpen MegaLine® F6-90 + Hirose TM21 (10GB)	 <p>Grey</p>
7501 3000/1.0B1A2	RJ45 patch cable Class EA/Kerpen MegaLine® F6-90 + Hirose TM21 (10GB)	 <p>Yellow</p>
7501 3000/2.0B1A2	RJ45 patch cable Class EA/Kerpen MegaLine® F6-90 + Hirose TM21 (10GB)	 <p>Green</p>
7501 3000/3.0B1A2	RJ45 patch cable Class EA/Kerpen MegaLine® F6-90 + Hirose TM21 (10GB)	 <p>Blue</p>
7501 3000/5.0B1A2	RJ45 patch cable Class EA/Kerpen MegaLine® F6-90 + Hirose TM21 (10GB)	 <p>Red</p>
7501 3000/10B1A2	RJ45 patch cable Class EA/Kerpen MegaLine® F6-90 + Hirose TM21 (10GB)	

9.1 Copper Data Networks (Continued)

Code	Description	Image
7501 3000/0.5B1B1	RJ45 patch cable Class EA/Kerpen MegaLine® F6-90 + AMP EMT (10GB)	
7501 3000/1.0B1B1	RJ45 patch cable Class EA/Kerpen MegaLine® F6-90 + AMP EMT (10GB)	<p style="text-align: center;">Grey</p> 
7501 3000/2.0B1B1	RJ45 patch cable Class EA/Kerpen MegaLine® F6-90 + AMP EMT (10GB)	<p style="text-align: center;">Yellow</p> 
7501 3000/3.0B1B1	RJ45 patch cable Class EA/Kerpen MegaLine® F6-90 + AMP EMT (10GB)	<p style="text-align: center;">Green</p> 
7501 3000/5.0B1B1	RJ45 patch cable Class EA/Kerpen MegaLine® F6-90 + AMP EMT (10GB)	<p style="text-align: center;">Blue</p> 
7501 3000/10B1B1	RJ45 patch cable Class EA/Kerpen MegaLine® F6-90 + AMP EMT (10GB)	<p style="text-align: center;">Red</p> 


9.1 Copper Data Networks (Continued)

Code	Description	Image
7501 3000/0.5B1C1	RJ45 patch cable Class EA/Kerpen MegaLine® F6-90 + Stewart SS-39200 (10GB)	 <p>Grey</p> <p>Yellow</p> <p>Green</p> <p>Blue</p> <p>Red</p>
7501 3000/1.0B1C1	RJ45 patch cable Class EA/Kerpen MegaLine® F6-90 + Stewart SS-39200 (10GB)	
7501 3000/2.0B1C1	RJ45 patch cable Class EA/Kerpen MegaLine® F6-90 + Stewart SS-39200 (10GB)	
7501 3000/3.0B1C1	RJ45 patch cable Class EA/Kerpen MegaLine® F6-90 + Stewart SS-39200 (10GB)	
7501 3000/5.0B1C1	RJ45 patch cable Class EA/Kerpen MegaLine® F6-90 + Stewart SS-39200 (10GB)	
7501 3000/10B1C1	RJ45 patch cable Class EA/Kerpen MegaLine® F6-90 + Stewart SS-39200 (10GB)	






9.1 Copper Data Networks (Continued)

Code	Description	Image
7501 3000/0.5C1A1	RJ45 patch cable Class EA/Dätwyler 7702 + Hirose TM31 (10GB)	<p>Grey</p> <p>Yellow</p> <p>Green</p> <p>Blue</p> <p>Red</p>
7501 3000/1.0C1A1	RJ45 patch cable Class EA/Dätwyler 7702 + Hirose TM31 (10GB)	
7501 3000/2.0C1A1	RJ45 patch cable Class EA/Dätwyler 7702 + Hirose TM31 (10GB)	
7501 3000/3.0C1A1	RJ45 patch cable Class EA/Dätwyler 7702 + Hirose TM31 (10GB)	
7501 3000/5.0C1A1	RJ45 patch cable Class EA/Dätwyler 7702 + Hirose TM31 (10GB)	
7501 3000/10C1A1	RJ45 patch cable Class EA/Dätwyler 7702 + Hirose TM31 (10GB)	

9.1 Copper Data Networks (Continued)

Code	Description	Image
7501 3000/0.5C1A2	RJ45 patch cable Class EA/Dätwyler 7702 + Hirose TM21 (10GB)	 <p>Grey</p>
7501 3000/1.0C1A2	RJ45 patch cable Class EA/Dätwyler 7702 + Hirose TM21 (10GB)	
7501 3000/2.0C1A2	RJ45 patch cable Class EA/Dätwyler 7702 + Hirose TM21 (10GB)	
7501 3000/3.0C1A2	RJ45 patch cable Class EA/Dätwyler 7702 + Hirose TM21 (10GB)	
7501 3000/5.0C1A2	RJ45 patch cable Class EA/Dätwyler 7702 + Hirose TM21 (10GB)	
7501 3000/10C1A2	RJ45 patch cable Class EA/Dätwyler 7702 + Hirose TM21 (10GB)	






9.1 Copper Data Networks (Continued)

Code	Description	Image
7501 3000/0.5D1B1	RJ45 patch cable Class EA/Dätwyler 7702 + AMP EMT (10GB)	 <p>Grey</p>
7501 3000/1.0D1B1	RJ45 patch cable Class EA/Dätwyler 7702 + AMP EMT (10GB)	
7501 3000/2.0D1B1	RJ45 patch cable Class EA/Dätwyler 7702 + AMP EMT (10GB)	
7501 3000/3.0D1B1	RJ45 patch cable Class EA/Dätwyler 7702 + AMP EMT (10GB)	
7501 3000/5.0D1B1	RJ45 patch cable Class EA/Dätwyler 7702 + AMP EMT (10GB)	
7501 3000/10D1B1	RJ45 patch cable Class EA/Dätwyler 7702 + AMP EMT (10GB)	 <p>Yellow</p>  <p>Green</p>  <p>Blue</p>  <p>Red</p>





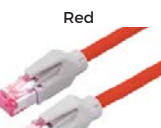
9.1 Copper Data Networks (Continued)

Code	Description	Image
0.5m	RJ45 patch cable Class EA/Dätwyler 7702 + Stewart SS-39200 (10GB)	 <p>Grey</p>
1.0m	RJ45 patch cable Class EA/Dätwyler 7702 + Stewart SS-39200 (10GB)	
2.0m	RJ45 patch cable Class EA/Dätwyler 7702 + Stewart SS-39200 (10GB)	
3.0m	RJ45 patch cable Class EA/Dätwyler 7702 + Stewart SS-39200 (10GB)	
5.0m	RJ45 patch cable Class EA/Dätwyler 7702 + Stewart SS-39200 (10GB)	
10.0m	RJ45 patch cable Class EA/Dätwyler 7702 + Stewart SS-39200 (10GB)	 <p>Yellow</p>  <p>Green</p>  <p>Blue</p>  <p>Red</p>






9.1 Copper Data Networks (Continued)

Code	Description	Image
7501 3000/0.5D1A1	RJ45 patch cable Class EA/Corning FutureCom™ + Hirose TM31 (10GB)	<p>Grey</p>  <p>Yellow</p>  <p>Green</p>  <p>Blue</p>  <p>Red</p> 
7501 3000/1.0D1A1	RJ45 patch cable Class EA/Corning FutureCom™ + Hirose TM31 (10GB)	
7501 3000/2.0D1A1	RJ45 patch cable Class EA/Corning FutureCom™ + Hirose TM31 (10GB)	
7501 3000/3.0D1A1	RJ45 patch cable Class EA/Corning FutureCom™ + Hirose TM31 (10GB)	
7501 3000/5.0D1A1	RJ45 patch cable Class EA/Corning FutureCom™ + Hirose TM31 (10GB)	
7501 3000/10D1A1	RJ45 patch cable Class EA/Corning FutureCom™ + Hirose TM31 (10GB)	






9.1 Copper Data Networks (Continued)

Code	Description	Image
7501 3000/0.5D1A2	RJ45 patch cable Class EA/Corning FutureCom™ + Hirose TM21 (10GB)	 <p>Grey</p>  <p>Yellow</p>  <p>Green</p>  <p>Blue</p>  <p>Red</p>
1.0m 7501 3000/1.0D1A2	RJ45 patch cable Class EA/Corning FutureCom™ + Hirose TM21 (10GB)	
7501 3000/2.0D1A2	RJ45 patch cable Class EA/Corning FutureCom™ + Hirose TM21 (10GB)	
7501 3000/3.0D1A2	RJ45 patch cable Class EA/Corning FutureCom™ + Hirose TM21 (10GB)	
7501 3000/5.0D1A2	RJ45 patch cable Class EA/Corning FutureCom™ + Hirose TM21 (10GB)	
7501 3000/10D1A2	RJ45 patch cable Class EA/Corning FutureCom™ + Hirose TM21 (10GB)	

9.1 Copper Data Networks (Continued)

Code	Description	Image
7501 3000/0.5D1B1	RJ45 patch cable Class EA/Corning FutureCom™ + AMP EMT (10GB)	 <p>Grey</p>  <p>Yellow</p>  <p>Green</p>  <p>Blue</p>  <p>Red</p>
7501 3000/1.0D1B1	RJ45 patch cable Class EA/Corning FutureCom™ + AMP EMT (10GB)	
7501 3000/2.0D1B1	RJ45 patch cable Class EA/Corning FutureCom™ + AMP EMT (10GB)	
7501 3000/3.0D1B1	RJ45 patch cable Class EA/Corning FutureCom™ + AMP EMT (10GB)	
7501 3000/5.0D1B1	RJ45 patch cable Class EA/Corning FutureCom™ + AMP EMT (10GB)	
7501 3000/10D1B1	RJ45 patch cable Class EA/Corning FutureCom™ + AMP EMT (10GB)	

9.1 Copper Data Networks (Continued)

Code	Description	Image
7501 3000/0.5D1C1	RJ45 patch cable Class EA/Corning FutureCom™ + Stewart SS-39200 (10GB)	 <p>Grey</p>
7501 3000/1.0D1C1	RJ45 patch cable Class EA/Corning FutureCom™ + Stewart SS-39200 (10GB)	
7501 3000/2.0D1C1	RJ45 patch cable Class EA/Corning FutureCom™ + Stewart SS-39200 (10GB)	
7501 3000/3.0D1C1	RJ45 patch cable Class EA/Corning FutureCom™ + Stewart SS-39200 (10GB)	
7501 3000/5.0D1C1	RJ45 patch cable Class EA/Corning FutureCom™ + Stewart SS-39200 (10GB)	
7501 3000/10D1C1	RJ45 patch cable Class EA/Corning FutureCom™ + Stewart SS-39200 (10GB)	 <p>Yellow</p>  <p>Green</p>  <p>Blue</p>  <p>Red</p>

9.1 Copper Data Networks (Continued)

Code	Description	Image
10083101	LSA insertion tool with sensor	
1200 342	Slicing tool	
1200 341	Stripping tool	
6925 1022	RJ45 coupling CobiDat KS IPS 250 MHz, Class E PL as per ISO/IEC 11801	
6925 1052	RJ45 coupling CobiDat KS IPS 500 MHz, Class EA PL as per ISO/IEC 11801 AMD2	
1036 026	Hook-and-loop cable clip	
1036 015	Self-adhesive conductive copper tape	
1036 014	Dimensions (L x W): 100 x 2.5 mm Length of braided shield: 40 mm	
5050 012/SW	RJ45 dummy plug, black	
5040 707	Cable connector LS Cat. 7	
5040 706	Cable connector LS Cat. 6	
50505 500	Labelling strip holder, universal, self-adhesive	
5041 176	Surface-mounted frame	
6050 188	For 60-mm-deep Tehalit dado trunking	

9.1 Copper Data Networks (Continued)

Code	Description	Image
5125 015	2x 1:1 Configuration: RJ45 plug – RJ45 jack (1) 1-1, 2-2, 3-3, 6-6, 4-4, 5-5, 7-7, 8-8 RJ45 plug – RJ45 jack (2) 1-1, 2-2, 3-3, 6-6, 4-4, 5-5, 7-7, 8-8	
5010 044	Mounting kit	
5010 044/E	Earth mounting kit	
9321 0335/B	Data cable 350 U/UTP Cat. 6	
9321 0145/B	Data cable 100 U/UTP Cat. 5e	
5040 705	Cable connector LSA Cat. 5e UTP	
6920 0110	RJ45 jack KS IPU 250, Cat. 6 UTP Cat. 6 as per ISO/IEC 11801 Toolless connection Compact, individually unshielded RJ45 module in Keystone format White-black plastic housing	






9.1 Copper Data Networks (Continued)

Code	Description	Image
6920 0112	RJ45 jack KS IPU 250, Cat. 6 UTP Cat. 6 as per ISO/IEC 11801 Compact, individually unshielded RJ45 module in Keystone format White plastic housing	
6920 0120	RJ45 jack KS IPU 100, Cat. 5e UTP Cat. 5e as per ISO/IEC 11801 Toolless connection Compact, individually unshielded RJ45 module in Keystone format White-black plastic housing	
6920 0122	RJ45 jack KS IPU 100, Cat. 5e UTP Cat. 5e as per ISO/IEC 11801 Compact, individually unshielded RJ45 module in Keystone format White plastic housing	
8010 111	Press-in tool for Keystone modules	
1008 3101	LSA insertion tool with sensor	
6921 9118.1	24x, 1 RU empty housing, modules' RJ45 contacts at the top	
6929 3200	Labelling strips for patch panels 24x KS, 3-part	
6929 0008	Dummy plug, RAL 9010 (jet black)	
5050 012/SW	RJ45 dummy plug, black	
6922 2910	2-way Keystone support KS	



9.1 Copper Data Networks (Continued)

Code	Description	Image
6922 3910	3-way Keystone support KS	
6922 1111	1-way outlet insert KS	
6923 1600	6-way/12-way consolidation-point housing KS	
6923 2900	9-way supporting frame	
6923 2000	Cable fixation for supporting frame, height: 60 mm	
6922 2222	2-way surface-mounted data connection housing KS	
6922 2223	2-way surface-mounted data connection housing	
3030 122/M	DIN rail adapter, M5 thread	
6923 0100	1x DIN rail module bracket KS Width 23 mm	
6923 0200	2x DIN rail module bracket KS Width 42 mm	

9.1 Copper Data Networks (Continued)

Code	Description	Image
6923 0101	1x DIN rail module housing KS W x H x D: 18 x 65 x 90 mm	
6671 016.1	Module bracket KS, flexible	
6931 1318	RJ45 patch panel LSA IPU 250 Class E unshielded	
6931 0118	RJ45 patch panel LSA ICU 100 Cat. 5e unshielded	
6932 1311	RJ45 outlets LSA IPU Class E unshielded	
6932 1301	RJ45 outlets LSA IPU Class E unshielded	
6932 0111	RJ45 outlets LSA ICU Cat. 5e unshielded	
6932 0101	RJ45 outlets LSA ICU Cat. 5e unshielded	
3020 003/0.2	LSA universal test cord 7052, 2-pin (0.2m)	









9.1 Copper Data Networks (Continued)

Code	Description	Image
7502 1005/0.5	RJ45 patch cable Cat. 6, 250 MHz	<p>Grey</p> 
7502 1005/1.0	RJ45 patch cable Cat. 6, 250 MHz	
7502 1005/2.0	RJ45 patch cable Cat. 6, 250 MHz	
7502 1005/3.0	RJ45 patch cable Cat. 6, 250 MHz	
7502 1005/5.0	RJ45 patch cable Cat. 6, 250 MHz	
7502 1005/7.5	RJ45 patch cable Cat. 6, 250 MHz	
7502 1005/10.0	RJ45 patch cable Cat. 6, 250 MHz	<p>Yellow</p>  <p>Green</p>  <p>Blue</p>  <p>Red</p> 





9.1 Copper Data Networks (Continued)

Code	Description	Image
7502 0005/0.5	RJ45 patch cable Cat. 5e, 100 MHz	<p>Grey</p> 
7502 0005/1.0	RJ45 patch cable Cat. 5e, 100 MHz	
7502 0005/2.0	RJ45 patch cable Cat. 5e, 100 MHz	
7502 0005/3.0	RJ45 patch cable Cat. 5e, 100 MHz	
7502 0005/5.0	RJ45 patch cable Cat. 5e, 100 MHz	
7502 0005/7.5	RJ45 patch cable Cat. 5e, 100 MHz	
7502 0005/10.0	RJ45 patch cable Cat. 5e, 100 MHz	<p>Yellow</p>  <p>Green</p>  <p>Blue</p>  <p>Red</p> 

9.2 Computer Centre

Code	Description	Image
DC100 005/XX	Trunk cable HY-HD Class EA AWG 23/18.0 mm Transmission length: max. 80 m (standard permanent link)	
DC100 006/XX	Trunk cable HY-HD Class EA AWG 26/11.0 mm Transmission length: max. 60 m (standard permanent link)	
DC100 001	Module bracket HY-HD 19"	
DC100 002	Dummy module HY-HD	
DC200 002/XX	Trunk cable HY-HD 6x LC-DX OM4	
DC200 001/XX	Trunk cable HY-HD MTP®/6xLC-DX OM4	
DC300 001/12	Cassette carrier F-HD 1 RU for 12 insertion cassettes	
DC300 001/24	Cassette carrier F-HD 2 RU for 24 insertion cassettes	
DC300 003	Insertion cassette F-HD 1x MTP®-m	
DC300 004	Insertion cassette F-HD 2x MTP®-m	

9.2 Computer Centre (Continued)

Code	Description	Image
DC500 001/1.0	Trunk cable F-HD 12xMTP®-f/12xMTP®-f, Length: 1.0 m	
DC400 001/1.0	Patch and connecting cable F-HD MTP®-f/ MTP®-f, Length: 1.0 m	
6921 9128.1	Patch panel KS-HD RJ45 modules' contacts at the top	
84.06 1052/XX	6-way trunk cable (multi-way cable), 1000 S/FTP Cat. 7 SX AWG 23	










9.3 Data Network Cabinets

Code	Description	Image
5013 1188	Classic network cabinet (500 kg load-bearing capacity)	
5010 1388	Pro network cabinet (1000 kg load-bearing capacity)	
5012 2088	Pro network cabinet with swing frame	
5021 1388	Server cabinets (Server) with perforated back door	

9.3 Data Network Cabinets (Continued)

Code	Description	Image
5022 1388	Server cabinet (Server) with perforated front and back door	
2040 21/26	Lab rack (Lab)	
5010 256 / 6	Wall B wall housing, 1-part	
5010 256 / 9	Wall P wall housing, 3-part with swiveling central part	
5012 255 / 6	Wall F wall housing, flexible as an assembly kit	
5014 254 / 3	Wall V wall housing, vertical installation	








9.3 Data Network Cabinets (Continued)

Code	Description	Image
5016 254 / 6	Mini wall housing 10" (width: 254 mm) as an assembly kit	
5010 147/LED	Switching cabinet light LED	
5010 341	Switching cabinet light 1 RU With option of connecting a door position switch	
5010 147/M	Switching cabinet light	
5010 149.1	Door contact switch without cables	
5010 342	Door position switch with retaining bracket - For switching cabinet light 1 RU (item no. 5010 341) - Consisting of: 1x door position switch 1x assembly kit 1x switch	
5010 520	Stacking kit for Pro/Server	
5010 017	Potential equalisation rail with 2 isolators	
5010 018	Potential equalisation rail with cover	






9.3 Data Network Cabinets (Continued)

Code	Description	Image
5010 093	Earth bar L = 1800 mm, consisting of 1x copper rail 15 x 5 x 1800 mm 3x isolator M6x30 3x hexagon screw M6x12 3x spring washer dm = 6 12x connecting terminal 2.5-16 mm ²	
2010 037	Earth bar L = 1600 mm, consisting of 1x copper rail 20 x 10 x 1600 3x isolator M8x25 3x screw M8x20 3x spring washer dm = 8 2x busbar terminal 16-50 mm ² 20x busbar terminal 2.5-16 mm ²	
5010 7010	Supporting surface depth: 250 mm	
5010 7012	Supporting surface depth: 350 mm	
5010 7004	Supporting surface depth: 500 mm Infinitely adjustable from 400 to 600 mm	
5010 7005	Supporting surface depth: 750 mm Infinitely adjustable from 650 to 850 mm	
5010 7029	Supporting surface depth: 400 to 700 mm Infinitely adjustable from 400 to 700 mm	
5010 7028	Supporting surface depth: 600 to 900 mm Infinitely adjustable from 600 to 900 mm	
5010 7030	Supporting surface depth: 800 to 1100 mm Infinitely adjustable from 800 to 1100 mm	
5010 7018	Supporting surface depth: 404 mm (a) Spacing between the 19" (width: 482.6 mm) levels: 425 mm (b)	
5010 7019	Supporting surface depth: 604 mm (a) Spacing between the 19" (width: 482.6 mm) levels: 625 mm (b)	
5010 7020	Supporting surface depth: 704 mm (a) Spacing between the 19" (width: 482.6 mm) levels: 725 mm (b)	
5010 7021	Supporting surface depth: 804 mm (a) Spacing between the 19" (width: 482.6 mm) levels: 825 mm (b)	
5010 7007	Shelf 1 RU, extendible	
5010 7027	Shelf 2 RU, extendible	

9.3 Data Network Cabinets (Continued)

Code	Description	Image
5010 004	1 RU, without lock Usable dimensions (W x H x D): 405 x 30 x 320 mm	
5010 003	2 RU, with cylinder lock Usable dimensions (W x H x D): 405 x 75 x 320 mm	
5010 000	3 RU, with cylinder lock Usable dimensions (W x H x D): 405 x 119 x 320 mm	
5010 7015	Supporting surface depth: 550 mm Installation dimensions: 550 to 850 mm Infinitely adjustable Full extension: 350 mm	
5010 7017	Supporting surface depth: 750 mm Installation dimensions: 650 to 1050 mm Infinitely adjustable Full extension: 650 mm	
5016 7002	Shelf 10" (width: 254 mm), 1 RU, stationary	
5110 000	Keyboard compartment 2 RU	
5010 317	Document case A4	
2010 710	Dimensions (W x H x D): approx. 80 x 37 x 40 mm	
2010 709	Dimensions (W x H x D): approx. 120 x 37 x 55 mm	

9.3 Data Network Cabinets (Continued)

Code	Description	Image
2060 058	Dimensions (W x H x D): 15 x 76 x 95 mm, medium	
2060 059	Dimensions (W x H x D): 15 x 76 x 160 mm, large	
5010 068	Dummy front panel 1 RU	
5010 068 / 2	Dummy front panel 2 RU	
5010 068 / 3	Dummy front panel 3 RU	
5010 068 / 6	Dummy front panel 6 RU	
5010 068 / 7	Dummy front panel 7 RU	
5010 068 / 9	Dummy front panel 9 RU	
5010 068 / 10	Dummy front panel 10 RU	
5010 068 / 32	Dummy front panel 32 RU	
C-5010 077	19" (width: 482.6 mm) 1 RU Bracket size (H x D): approx. 40 x 65 mm Bracket opening: approx. 10 mm	
C-5010 078	19" (width: 482.6 mm) 1 RU Bracket size (H x D): approx. 40 x 100 mm Bracket opening: approx. 15 mm	
C-5010 079	19" (width: 482.6 mm) 2 RU Bracket size (H x D): approx. 80 x 100 mm Bracket opening: approx. 15 mm	
C-5016 079	10" (width: 254 mm) 1 RU Bracket size (H x D): approx. 35 x 80 mm Bracket opening: approx. 10 mm	
5010 131/W	Front panel 1 RU with cable feedthrough/frame at the front	
5010 132	Front panel 2 RU with cable feed-through/ brush strip	
5010 212	Front panel 1 RU with cable feed-through/ tray	

9.3 Data Network Cabinets (Continued)

Code	Description	Image	
5010 7023.1	For Pro/Server Depth: 350 mm Spacing between the 19" (width: 482.6 mm) levels: 425 mm		
5010 7024.1	For Pro/Server Depth: 550 mm Spacing between the 19" (width: 482.6 mm) levels: 625 mm		
5010 7025.1	For Pro/Server Depth: 650 mm Spacing between the 19" (width: 482.6 mm) levels: 725 mm		
5010 7026.1	For Pro/Server Depth: 750 mm Spacing between the 19" (width: 482.6 mm) levels: 825 mm		
5010 131	1 RU Feed-through opening (W x H): 405 x 22 mm		
5010 137	2 RU Feed-through opening (W x H): 405 x 65 mm		
5010 074	19" (width: 482.6 mm) supporting rail		
5010 060	For 600-mm-deep Pro/Server		
5010 059	For 800-mm-deep Pro/Server		
5010 061	For 900-mm-deep Pro/Server		
5010 052	For 1000-mm-deep Pro/Server		
5010 089	For 1200-mm-deep Pro/Server		
5010 053	For 600-mm-deep Pro/Server		
5010 054	For 800-mm-deep Pro/Server		
5010 055	For 900-mm-deep Pro/Server		
5010 071	For 1000-mm-deep Pro/Server		
5010 090	For 1200-mm-deep Pro/Server		
5010 090	For 1200-mm-deep Pro/Server		







9.3 Data Network Cabinets (Continued)

Code	Description	Image
3060 121	Profile half-cylinder with round cylinder	
5010 525	For Pro/Server	
5013 208/LB	2 AC fan for Classic	
L-5010 968	2 AC fans for Pro/Server	
L-5010 971	3 AC fans for Pro/Server	
5010 227 / 120	120 x 120 mm Air flow rate: 160 m³/h free-blowing, 90 m³/h with filter	
5010 227 / 80	80 x 80 mm Air flow rate: 45 m³/h free-blowing, 23 m³/h with filter	
5013 229	Fan tray 1 RU	
L-5012 250	Fan expansion kit for Wall B/F/V	
5010 254/L	Fan expansion kit for Wall P	

9.3 Data Network Cabinets (Continued)

Code	Description	Image
5010 025	Thermostat, normally open contact	
5013 K007	700 W cooling capacity Air circulation: 650 m³/h, Dimensions (W x H x D): 337 x 742 x 242 mm, weight 30 kg	
5013 K009	900 W cooling capacity Air circulation: 650 m³/h Dimensions (W x H x D): 337 x 742 x 242 mm, weight 35 kg	
5013 K015	1500 W cooling capacity Air circulation: 850 m³/h Dimensions (W x H x D): 436 x 1200 x 266 mm, weight 51 kg	
5013 K020	2000 W cooling capacity Air circulation: 850-1200 m³/h Dimensions: (W x H x D): 436 x 1200 x 266 mm, weight 59 kg	
5010 009	Without stoppers	
5010 008	With stoppers	
5010 041/A	Leveling feet for Classic	
5010 041	Leveling feet for Pro/Server	
5010 118	Base width 600 mm	
5010 123	Base width 800 mm	


9.3 Data Network Cabinets (Continued)

Code	Description	Image
5010 044	Mounting kits	
5010 044#50	50x mounting kit	
5010 044/E	Earth mounting kit	
5010 044/E#50	50x earth mounting kit	
5010 345	8x protective contact socket without switch	
5010 346	8x protective contact socket with switch	
5010 347	8x protective contact socket with overvoltage protection 6.5 kA, optical function and failure indicator	
5010 327	7x protective contact socket, with illuminated rocker switch, with overvoltage protection 6.5 kA, optical function and failure indicator	
5010 324	9x protective contact socket	
5010 237 / 6	6x protective contact socket, with overvoltage protection 6.5 kA, network and frequency filter, optical function and failure indicator	


9.3 Data Network Cabinets (Continued)

Code	Description	Image
C-5010 261	Power distributor SVT 01	
C-5010 264	Power distributor SVT 02	
C-5010 265	Power distributor SVT 03	
C-5010 272	Power distributor SVT 04	
C-5010 270	Power distributor SVT 05	
C-5010 274	Powerbox SVB 23	


9.4 Power Supply Units

Code	Description	Image
C-5010 273	Power distributor box SVB 22	
5010 271	NEOZED fuse	





9.5 Subracks

Code	Description	Image
5010 078	NT subrack 19" (width: 482.6 mm) 2 RU	
C-5010 277	For the accommodation of 2 NTBAs	
C-5010 278	For the accommodation of 3 NTBAs	
C-5010 256	NTBA subrack 19" (width: 482.6 mm) 3 RU/84 HP	
C-5016 256	NTBA subrack 10" 3 RU/40 HP	
C-5010 260	NTBA wiring set	
C-5010 259	Guide rail	

9.5 Subracks (Continued)

Code	Description	Image
5020 033	NTBA support plate 3 RU	

9.6 Class C Cabling

Code	Description	Image
5041 041/L	UAE 8(8), surface-mounted 1x RJ45, 8-pin Cover parts, matt	
5041 044/L	UAE 8/8(8), surface-mounted 2x RJ45, 8-pin Cover parts, matt For the connection of two separate terminals	
5041 042/L/UP	UAE 8(8), flush-mounted 1x RJ45, 8-pin 360° retaining ring	
5041 045/L/UP	UAE 8/8(8), flush-mounted 2x RJ45, 8-pin For the connection of two separate terminals Support bracket on left and right side	
5041 07/L/UP	UAE 2x8(8), flush-mounted 2x RJ45, 8-pin For the connection of two terminals connected in parallel 360° retaining ring	
5041 001	TAE 1x6 F, surface-mounted	
5041 004	TAE 1x6 N, surface-mounted	
5041 013	TAE 6/6 F/F, surface-mounted	
5041 016	TAE 2x6 N/F, surface-mounted	
5041 010	TAE 2x6/6 NF/F, surface-mounted	
5041 007	TAE 3x6 NFN, surface-mounted	

9.6 Class C Cabling (Continued)

Code	Description	Image
5041 002/UP	TAE 1x6 F, flush-mounted	
5041 005/UP	TAE 1x6 N, flush-mounted	
5041 014/UP	TAE 6/6 F/F, flush-mounted	
5041 017/UP	TAE 2x6 N/F, flush-mounted	
5041 011/UP	TAE 2x6/6 NF/F, flush-mounted	
5041 008/UP	TAE 3x6 NFN, flush-mounted	
5041 042/L	UAE 8(8) FMC 1x RJ45, 8-pin 360° retaining ring	
5041 045/L	UAE 8/8(8) FMC 2x RJ45, 8-pin For the connection of two separate terminals Support bracket on left and right side	
5041 072/L	UAE 2x8(8) FMC 2x RJ45, 8-pin For the connection of two terminals connected in parallel 360° retaining ring	
5041 043/L	UAE 8(8) IC 1x RJ45, 8-pin	
5041 046/L	UAE 8/8(8) IC 2x RJ45, 8-pin For the connection of two separate terminals	
5041 073/L	UAE 2x8(8) IC 2x RJ45, 8-pin For the connection of two terminals connected in parallel	
5041 019	Patch panel 19" with six 1x 6 TAE N;	
5041 020	Patch panel 19" with six 3x 6 TAE NFN	
5030 041/0.5.1	Unshielded Length: 0.5 m	
5030 041/1.0.1	Unshielded Length: 1.0 m	
5030 041/2.0.1	Unshielded Length: 2.0 m	
5030 041/3.0.1	Unshielded Length: 3.0 m	
5030 041/5.0.1	Unshielded Length: 5.0 m	
5030 023/0.5.1	Unshielded Length: 0.5 m	
5030 023/1.0.1	Unshielded Length: 1.0 m	
5030 023/2.0.1	Unshielded Length: 2.0 m	
5030 023/3.0.1	Unshielded Length: 3.0 m	
5030.023/5.0.1	Unshielded Length: 5.0 m	
5032 082/0.5	Length: 0.5 m	
5032 082/1.0	Length: 1.0 m	
5032 082/2.0	Length: 2.0 m	
5032 082/3.0	Length: 3.0 m	
5032 082/5.0	Length: 5.0 m	

9.6 Class C Cabling (Continued)

Code	Description	Image
5033 082/0.5	Length: 0.5 m	
5033 082/1.0	Length: 1.0 m	
5033 082/2.0	Length: 2.0 m	
5033 082/3.0	Length: 3.0 m	
5033 082/5.0	Length: 5.0 m	
5030 084/0.5	Length: 0.5 m	
5030 084/1.0	Length: 1.0 m	
5030 084/2.0	Length: 2.0 m	
5030 084/3.0	Length: 3.0 m	
5030 084/5.0	Length: 5.0 m	
5031 082/0.5	Length: 0.5 m	
5031 082/1.0	Length: 1.0 m	
5031 082/2.0	Length: 2.0 m	
5031 082/3.0	Length: 3.0 m	
5031 082/5.0	Length: 5.0 m	
6941 2410	RJ45 telephone patch panel 25x (light grey)	
6941 2418	RJ45 telephone patch panel 25x (jet black)	
6941 3410	RJ45 telephone patch panel 32x (light grey)	
6941 3418	RJ45 telephone patch panel 32x (jet black)	
6941 5410	RJ45 telephone patch panel 50x (light grey)	
6941 5418	RJ45 telephone patch panel 50x (jet black)	
6941 2430	RJ45 telephone patch panel 25x (light grey)	
6941 2438	RJ45 telephone patch panel 25x (jet black)	
6941 5430	RJ45 telephone patch panel 50x (light grey)	
6941 5438	RJ45 telephone patch panel 50x (jet black)	

10.0 Road Measuring





Full suite of Measuring wheels, electric measuring wheels, railway measuring wheels, rope and wire measuring units





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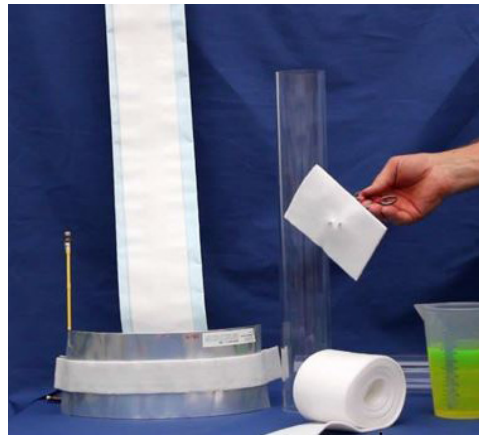
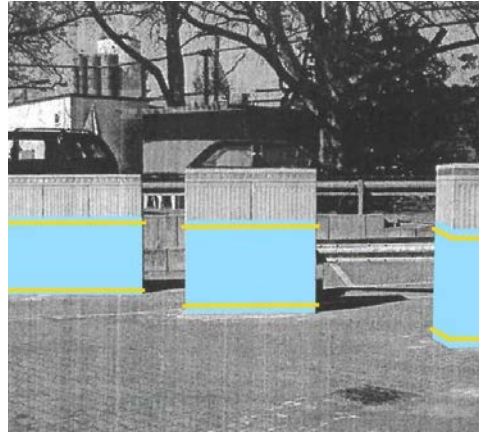
Code	Description	Image
<p>5000 Professional Distance Measuring Wheel</p>	<ul style="list-style-type: none"> The F 5000 has been the professional road measuring wheel of choice for decades. Created to meet the needs of users and manufactured to be robust and hard-wearing, it has an in-built stand and brake and can fold down for easy transport. The 5000 road distance measuring wheel is used around the world by members of the building, construction, infrastructure and survey industries as well as companies, civil services, institutions and almost anyone who needs to accurately measure distance The wheel is available in metric or imperial versions and is ideal for any distance measuring application. 	
<p>5500E Electronic Metric Distance Measuring Wheel</p>	<ul style="list-style-type: none"> The 5500E Measuremeter® Revolution electronic measuring wheel that combines advanced and patented technology for the first time in a measuring wheel of this price-point. The 5500E measures distance in metric units up to 9999.99m and features two different distance measuring modes: trip and total, as well as a pushbutton reset and an electronic brake for greater practicality. The LCD screen with backlight makes it easy to use even in low light conditions and the electronic measuring wheel counter is powered by a non-removable long life battery which is weather proof. 	
<p>5505E Electronic Metric Distance Measuring Wheel</p>	<ul style="list-style-type: none"> The 5505E Measuremeter® Revolution is an electronic measuring wheel that can be set to measure in either metric or imperial units at the touch of a button. The 5505E measures distance in metric units up to 9999.99 in meters and imperial up to 9999.99 in yards or 9999ft 11in. Features include two different distance measuring modes: trip and total, an electronic brake, easy to read LCD screen with backlight and powered by a non-removable, weather proof, long-life battery. 	
<p>100712-01</p>	<ul style="list-style-type: none"> Carrying Bag for 5000/5500 	
<p>Mini Measure Revolution - Electronic Metric Reading Measuring Wheel</p>	<ul style="list-style-type: none"> The Mini Measure Revolution digital indoor measuring wheel from Dexgreen is a slim-line, easy to use, light weight indoor measuring wheel ideal for indoor building surveys and other indoor measuring requirements. The 25cm wheel provides accurate measurement when used on smooth surfaces through a crystal clear LCD display with backlight for low light conditions. The indoor measuring wheel has two modes: trip and total, for all your measuring requirements and is both agile and manoeuvrable. The Mini Measure also features a telescopic handle that folds down for easy transport and storage 	
<p>5061 Rail Track Measurers</p>	<ul style="list-style-type: none"> The 5061 rail track measuring wheel was designed with input from international railway companies to make the most effective tool for accurate measuring of railroads. The robust construction houses a polyurethane covered metal measuring wheel for traction and durability with dual metal side plates that keep the unit stable on the rail. It has a single mechanical counter with reset, is available in metres, yards or feet and is supplied with a carry case for easy transport. 	

Code	Description	Image
<p>5063 Dual Reading Rail track Measuring Wheel</p>	<ul style="list-style-type: none"> The Definitive tool for accurate measuring of rail track. This robust, quality product was designed with input from international railroad companies and is in daily use worldwide. The heavy duty measuring wheel incorporates metal side plates to keep the wheel stable on the rail, while the dual counters are available to measure the track distance in Metres, Yards and/or Feet/Inches and can be used in any combination (see Ordering Information below). 	
<p>5041 Land Distance Measuring Wheel</p>	<ul style="list-style-type: none"> This hard wearing measuring wheel is specifically designed for rough and undulating terrain. The high quality, rugged construction provides durability while the large circumference measuring wheel ensures the greatest accuracy over rough terrain. It has a heavy duty counting head fitted directly to wheel and a robust mechanical counter for accurate distance measurement of +/- 1%, available in either metric or imperial. 	
<p>3602 Mechanical Totalising Counter</p>	<ul style="list-style-type: none"> The 3602 mechanical counter is a durable, versatile unit which counts revolutions on many different types of production machinery. The counter is robustly constructed for continuous operation at high speeds with the main shaft running in double oil impregnated bearings to ensure accurate, long term, trouble free service. The unit has a front facing, easy to view, 6-digit readout and operates at up to 3000 counts per minute with 1:1 gear ratio. It is available top-coming or top-going with a range of gearings, optional rubber or polyurethane covered plastic wheel or knurled aluminium to best meet a range of applications. The counter is supplied double drive with wing bush and customer configurable reset. 	
<p>2300 Mechanical Length Measuring Unit</p>	<ul style="list-style-type: none"> The 2300 is a heavy duty measuring unit with dual measuring wheels for better contact and stability when measuring length and designed to be mounted directly to the bulkhead or frame of industrial machinery. This robust instrument can be used in a wide range of applications and measure almost any material in an industrial process. It can be used to measure the length of paper and cardboard, canvas and other material, fabric and textiles, plastics, sheet metal or almost any other rolls or lengths of material requiring accurate measurement. Measurement for almost all manufacturing processes The 2300 is ideal for use in almost all continuous manufacturing processes. It bolts directly onto a bulkhead or frame member and can be used on industrial machinery such as calendars, tenters, rolling, ribbon winding textile machinery and many more. The measuring wheel is available in rubber, polyurethane and knurled aluminum to suit the material to be measured, while other options include the wheel circumference, units of measurement and the direction of travel, making the 2300 perfect for measurement of almost any material. Other models are available as stay rod mounted or hung units in single wheel (2400 Model) or twin wheel (2700 Model). 	

Code	Description	Image
<p>2300 Mechanical & Length Measurement</p>	<ul style="list-style-type: none"> The 2300 is a heavy duty measuring unit with dual measuring wheels for better contact and stability when measuring length and designed to be mounted directly to the bulkhead or frame of industrial machinery. This robust instrument can be used in a wide range of applications and measure almost any material in an industrial process. It can be used to measure the length of paper and cardboard, canvas and other material, fabric and textiles, plastics, sheet metal or almost any other rolls or lengths of material requiring accurate measurement. Measurement for almost all manufacturing processes The 2300 is ideal for use in almost all continuous manufacturing processes. It bolts directly onto a bulkhead or frame member and can be used on industrial machinery such as calendars, tenters, rolling, ribbon winding textile machinery and many more. The measuring wheel is available in rubber, polyurethane and knurled aluminium to suit the material to be measured, while other options include the wheel circumference, units of measurement and the direction of travel, making the 2300 perfect for measurement of almost any material. Other models are available as stay rod mounted or hung units in single wheel (2400 Model) or twin wheel (2700 Model). 	
<p>2400 Mechanical Length measuring Unit</p>	<ul style="list-style-type: none"> This hard wearing measuring wheel is specifically designed for rough and undulating terrain. The high quality, rugged construction provides durability while the large circumference measuring wheel ensures the greatest accuracy over rough terrain. It has a heavy duty counting head fitted directly to wheel and a robust mechanical counter for accurate distance measurement of +/- 1%, available in either metric or imperial. 	

11.0 Flood Defence Solutions

Full suite of flood defence solutions to protect the external utility network from flooding and moisture ingress.



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11.1.0 Liquid Diffusion Blocking Layer

Code	Description	Image
VF-QV-DES	<ul style="list-style-type: none"> ● Robust: Consists of a 500 µm thick PE- PET aluminium PE composite film, thermo-laminated on one side with swelling sealing tape (Code: 22.1 QV-DB, 480 g/m²). ● Patented: Patent pending, Fibre Optics CT GmbH. ● Waterproof retro-sealing: of welding seams or expansion joints against liquids e.g. water, pH2 (HCl), pH12 (NaOH) and water mixtures with 80% petrol, diesel, kerosene, oil or paraffin oil. ● Delivery dimensions: Standard width 1 m, length 25 m or customised basic elements, widths up to 10 m, lengths up to approx. 100 m. ● Processing: <ul style="list-style-type: none"> ● Two or more basic elements are placed in position on-site, one on top of the other, with the light swelling-material side to the damp or dry structural surfaces and joints, which may be of various materials e.g. protective concrete, steel, stainless steel, natural stone, brick, plastic, etc. Fixed with screws, nails or glue. The joints are covered with sealing compound (Code: 29.2 U-ADMF 290ml (cartridge)). ● Alternatively, the customised blocking layer can be covered with structurally identical composite film strips, 100 mm wide in the overlap areas. ● The film strips are then hot-gas welded to the underlying basic element, to make the compression resistant to tension and weighed down from above, in order to withstand the thrust force. [Note: the VF-QV-DES liquid & diffusion blocking layer must be appropriately prepared. For example, 1 m water column = 1 N/cm² = 100 g/cm².] 	

VF-QV-DES Liquid & Diffusion blocking layer

Art. No	Dimensions Thickness [mm]		Delivery	Weight [kg/pack. unit]
	Swelling material (QV)	Laminate (VF)		
13.2 VF-QV-DES 4.2 mm x 1 m x 25 m	4.2	~ 0.5	Standard 1m width 25 m length	22.5
13.2 VF-QV-DES (customised) [Available on request from trade partner for hot gas welding]	4.2	0.5	Special manufacture up to 10 m width up to 100 m length	

Ordering Information (Continued)

Accessories			
Art. No.	Description	Items in packaging unit	Sealing compound/ packaging unit [kg]
31 FlexproofX1/26	StekoX FlexproofX® sealing compound, single-component, for painting on. 26 kg bucket	1	26.00
31 FlexproofX1/06	StekoX FlexproofX® sealing compound, single-component, for spraying on. 600 ml pouch	12	7.20
31 FPX-SP	StekoX FlexproofX® 1 spray gun, for use with 600 ml pouch	1	
31 FPX-DU	StekoX FlexproofX® 1 atomising nozzle	10	
31 FPX-DK	StekoX FlexproofX® 1 nozzle head, 5 mm	1	
31 FPX-TGL	Dry lubricating film for the FlexproofX1 spray	1	
Quick-curing, highly flexible sealing compound			
29.2 U-ADMF	Cartridge, 290 ml	1/4	

11.2.0 Protective Cushion

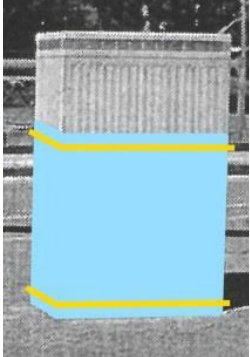
Code	Description	Image
v-QL-ADK/V	<ul style="list-style-type: none"> Application: Prevents through flow of water or environmentally harmful substances. For storage tanks and disposal sites for hazardous substances Lightweight: The V-QL-ADK/V basic element consists of two lengths of laminated aluminium foil (5-layered, thermolaminated) with their seams welded together all round. Inside the V-QL-ADK/V basic element there are, depending on the design, one to three welded-on layers of swelling sealing tape (weight > 480 g/m² per layer; layer thickness 4.2mm). Vacuum: The vacuum is created inside the protective cushion by means of two tyre valves at each end of the element. Resistance of the V-QL-ADK/V protective cushion: Very low diffusion rate: The ~ 500 µm thick laminated aluminium foil has a diffusion rate of only 5.7 x 10⁻⁸ mbarl/sec (~ 2.7 mbarl/year) High notching resistance 37 N/cm²: Test conditions: stones of grit size 5-8 mm. Watertightness 10 m water column: Watertight even after damage e.g. slits in the laminated foil, thanks to self-healing material. 	

Ordering Information

Supplied as customized basic elements that can be set up in series and joined with a tension-proof connection.

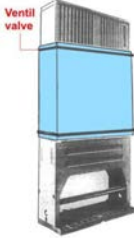
V-QL-DES Protective Cushion				
Art. No	Dimensions Thickness [mm]		Description	Basic element (customised)
	Swelling material (QV)	Laminate (VF)		
11.1 V-QL1-ADK/V 4.2 x	4.2	0.5	1 layer swelling material on the inside	up to 10 m wide up to 100 m long
11.1 V-QL2-ADK/V 4.2 x			2 layer swelling material on the inside	
11.1 V-QL3-ADK/V 4.2 x			3 layer swelling material on the inside	
11.1 V-QL1-ADKH/V 4.2 x	4.2	0.5	1 layer swelling material on the inside, mounting tab	up to 10 m wide up to 100 m long
11.1 V-QL2-ADKH/V 4.2 x			2 layer swelling material on the inside, mounting tab	
11.1 V-QL3-ADKH/V 4.2 x			3 layer swelling material on the inside, mounting tab	

11.3.0 HWS Flood Defence for Electrical Cabinets

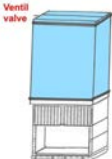
Code	Description	Image
G-HWS/V-0	<ul style="list-style-type: none"> ● Application: The flood defence cowl for temporary use consists of a outer 5-layered aluminium laminate thermolaminated to swelling material (480 g/m²) and an inner side (facing the distribution cabinet) of 5-layered aluminium laminate. The outer and inner laminated layers are permanently welded together. ● Watertight: The swelling material has self-healing properties which prevent water entry into the cabinet, even in the event of damage to the outer laminate. In addition to this, the cowl is manufactured with a vacuum inside, to enable wireless monitoring of tightness. ● Remote monitoring: The cowl can be equipped with a 2.4 GHz wireless monitoring system, for the detection of any leakage following serious damage caused by sharp floating debris, vandalism or transport can be detected 	

11.3.1 Components

Nr. 1a Flood protection device without roofing
Art. Nr. 14.2 G-HWS/V-0

	<p>Characteristics valid for all</p> <ul style="list-style-type: none"> ● Flood defense: ● Temporary use during floods ● Protection device with or without a roof cover ● Waterproof up to 5 m water column ● Robust material notch-tough aluminum composite film material, 2-ply. Self-healing source fleece inside. Vacuum sealing. ● Easy installation: to impose and fasten the top and bottom with Spanngürten ● Usable again ● Customized sizes ● Low area weight - 1.9 kg / m² e.g. CPC cover 80x20x80 cm (L x W x H) ● Dimensions for storage and transport (stackable): - 2 x 100 x 100 cm (thickness x width x height)
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Nr. 1b Flood protection device (with roofing)
Art. Nr. 14.2 G-HWS/V-D

	<p>Be careful of build up of heat leading to damage when using roof cover</p>
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11.3.1 Components (Continued)

Nr. 2 Flood Protection
Art. Nr. 13.1 VF-QV-OS



- If necessary- this is used for retrofitting
- Surface protection, consisting of thermo-laminated PE-PET-aluminum-PE composite film "blue" (500 microns thick), one side (480 g / m²) coated with swelling tape.
- Thickness 4.5 mm.
- Self-sealing water protection tape, waterproof up to 5 meters of water. Self-healing when damaged.
- Burst Resistant
- Diffusion resistance (diffusion <2.7 mbarl/year)
- Prevents emissions
- Spill-resistant
- Notch resistant
- Shrinkage free, without changing its length

Nr. 3 Star foam insert
Art. Nr. 22.5 QV-MADS



Use in conjunction with [5a] and [5b] with multiply assigned tubes. A source Fleece From dense star for max. 4 cable is sufficient.

11.4.0 Sealing Cushion

Code	Description	Image
QAK/V	<ul style="list-style-type: none"> ● Design: composite foil with a welded-on PE-coated tyre pressure valve. ● Standard colour: aluminium ● Fit-for-purpose: Type QAK/V is a further development of the Telecom-approved UA/V and ADE/V sealing systems for applications within a temperature range of -30°C to +45°C (+70°C at outer cable sheath over a short period). ● Immediately ready for use: air-filled using standard commercial appliances. ● Reusable: 4 times, when reducing pressure e.g. for retrofitting cables without removing the sealing system or when installing new cables or removing old ones. Can be pumped up again ● Durability: Seal has a service life of > 20 years against dust, smoke, noise and vibration, as well as chemicals from pH2 to pH12 up to 5 m water column 	

Ordering Information

Article No. Part No	Duct		
	Inner ϕ [mm]	Area to be sealed	
		ϕ ideal [mm]	ϕ minimum [mm]
11.1 QAK/V L-60	60	35	0
	55	32	0
	50	20	0
11.1 QAK/V L-80	80	45	0
	75	40	0
	70	30	0
11.1 QAK/V L-100	105	70	0
	100	60	0
	90	50	0
11.1 QAK/V L-115	115	80	0
	100	60	0
	90	50	0
11.1 QAK/V L-125	125	90	20
	115	73	10
	105	60	0
11.1 QAK/V L-150	150	110	40
	140	95	30
	130	85	20
11.1 QAK/V L-175	175	130	70
	165	115	60
	155	105	50
	145	95	40
11.1 QAK/V L-200	200	155	90
	190	140	80
	180	130	70
11.1 QAK/V L-225	225	175	120
	215	160	110
	205	150	100
11.1 QAK/V L-250	250	190	140
	240	180	130
	230	170	120

Ordering Information (Contd.)


If the inner surface of the cable protective duct or wall bore hole is modified, the max. permissible sum of the cable diameters is approx. 4 mm less than for a smooth surface. If sealing involves 2 or more cables, an accessory is required: swelling tape, Art. No. WO22. Material requirement: about 12 x cable ϕ

Article No. Part No	Duct		
	Inner ϕ [mm]	Area to be sealed	
		ϕ ideal [mm]	ϕ minimum [mm]
11.1 QAK/V L-275	275	230	170
	265	215	160
	255	205	150
11.1 QAK/V L-300	300	250	190
	290	240	180
	280	225	170
	270	215	160
11.1 QAK/V L-325	325	270	220
	315	260	210
	305	250	200
	295	240	190
11.1 QAK/V L-350	350	295	245
	340	280	235
	330	270	225
	320	260	215
11.1 QAK/V L-375	375	325	270
	365	300	260
	355	290	250
	345	280	240
11.1 QAK/V L-400	400	340	290
	390	325	280
	380	315	270
11.1 QAK/V L-425	425	360	320
	415	350	310
	405	335	300
	394	325	290

Ordering Information (Contd.)

Article No. Part No	Duct		
	Inner ϕ [mm]	Area to be sealed	
		ϕ ideal [mm]	ϕ minimum [mm]
11.1 QAK/V L-450	450	380	340
	440	370	330
	430	360	320
	420	350	310
11.1 QAK/V L-475	475	400	370
	465	390	360
	455	380	350
	445	370	340
11.1 QAK/V L-500	500	430	390
	490	410	380
	480	400	370
	470	390	360

11.5.0 Flexible, reusable swelling-tape coated sealing cushion

Code	Description	Image
QADE/V	<ul style="list-style-type: none"> ● Construction: laminated foil with a welded metal, PE-coated, compressed-air tyre valve. ● Standard colour: aluminium ● Fit-for-purpose: Type QADE/V is an alternative to sealing system QAK/V for applications within temperature range -15 °C to +30 °C (for a short period +45 °C (4h)). ● Ready for immediate use: can be inflated with standard inflation tools ● Watertight immediately on contact with water. ● Reusable: The pressure can be reduced 4 times e.g. when reconfiguring cables. The sealing element can be removed and replaced 4 times when laying cables for the first time ● Durability: Seal has a service life of > 20 years against dust, smoke, noise and vibration, as well as chemicals from pH2 to pH12 up to 5 m water column 	

11.5.0 Flexible, reusable swelling-tape coated sealing cushion Ordering Information

Article No. Part No	Duct		
	Inner Ø [mm]	Area to be sealed	
		Ø ideal [mm]	Ø minimum [mm]
11.6 QADE/V L-25	25	13	0
11.6 QADE/V L-35	35	22	0
	30	18	0
11.6 QADE/V L-40	40	22	0
	35	11	0
11.6 QADE/V L-45	45	32	0
	40	27	0
	35	18	0
11.6 QADE/V L-50	50	33	0
	45	25	0
11.6 QADE/V L-60	60	42	0
	50	26	0
11.6 QADE/V L-80	80	57	0
	70	41	0
	60	30	0
11.6 QADE/V L-90	90	70	0
	80	55	0
	70	40	0
11.6 QADE/V L-100	105	80	0
	95	65	0
	85	54	0
11.6 QADE/V L-100-x	105	4	0
	95	63	0
11.6 QADE/V L-115	115	89	0
	105	70	0
	95	63	0
11.6 QADE/V L-125	125	97	20
	115	82	10
	105	71	0
11.6 QADE/V L-150	150	119	42
	140	104	32
	130	93	22

11.6.0 Swelling Sealing Tape

Code	Description	Image
QV-DB	<ul style="list-style-type: none"> Construction: Self-sealing, nonwoven swelling material, consisting of mechanically preprocessed, heat-fixed, fibre-bonded material, made of PP fibres and special super-water absorbent fibres, UV- stabilised. Geotextile robustness class TL Geok EstB05-3. 	

Ordering Information

Article No.	Dimensions [mm] Thickness x width	Length of roll [m]	Weight of roll [g]	Roll Ø [mm]
11.1 QV-DB	2.0 x 60	10	140	160
11.1 QV-DB	2.0 x 110		265	
11.1 QV-DB	4.2 x 110	10	560	200
11.1 QV-DB	4.2 x 60		300	


11.7.0 Swelling Tape with Sealing Tape (self-adhesive)

Code	Description	Image
QV-DBK	<ul style="list-style-type: none"> Construction: Self-sealing, nonwoven swelling material, consisting of mechanically preprocessed, heat-fixed, fibre-bonded material made of PP fibres and special super-water absorbent fibres, UV- stabilised. Geotextile robustness class TL Geok EstB05-3. Self-adhesive swelling tape QV-DBK consists of swelling sealing tape (Code: 22.1 QV-DB) manufactured with double-sided adhesive tape on one side. Recommended Applications: <ul style="list-style-type: none"> 16.x QAK/V sealing cushion 21.1 QADK/V sealing cushion for longitudinal or curved expansion joints. 22.4 QV-Seal water-blocking layer, resistant to cuts and burst pressure e.g. when petrolatum-Vaseline tapes or old swelling tapes are replaced in the course of refurbishing sealing elements. 	

Ordering Information

Article No.	Dimensions [mm] Thickness x width	Length of roll [m]	Sizes [mm]
11.2 QV-DBK	2.0 x 60	10	2.0 x 60
11.2 QV-DBK	2.0 x 110		2.0 x 110
11.2 QV-DBK	2.0 x 305		2.0 x 305
11.2 QV-DBK	4.2 x 110		4.2 x 110
11.2 QV-DBK	4.2 x 60		4.2 x 60
11.2 QV-DBK	4.2 x 300		4.2 x 300

11.8.0 Sealant

Code	Description	Image
U-ADMF	<ul style="list-style-type: none"> • Properties: Highly elastic, strongly adhesive, single-component sealing compound which has been specially developed to resist the high alkalinity of concrete • Versatile: High elasticity and strong adhesion of the Sealant allow movement to be accommodated without any loss of sealing power • Processing: Cartridges can be processed in conventional dispensing guns, available in DIY markets. Hardening to a permanent, highly flexible joint seal only takes a few hours • Specifications: Fulfills the requirements of DIN 18195-1, 18195-5 and 18195-6 August 2006 for waterproofing buildings against gas diffusion and temporary seepage from ground, slope and/or surface water. 	

Ordering Information

Article No.	Description	Content per packaging unit		
		Cartridges 290 ml	Nozzle Art. No. 29.5 DSV	Wooden Spatula
11.2 U-ADMF-GR01	Sealing compound, concrete grey	1	1	1
11.2 U-ADMF-GR04		4	4	4
11.2 U-ADMF-SW01	Sealing compound, black	1	1	1
11.2 U-ADMF-SW04		4	4	4
Optional extra 29.5 DSV	Nozzle (spare)	----	10	----