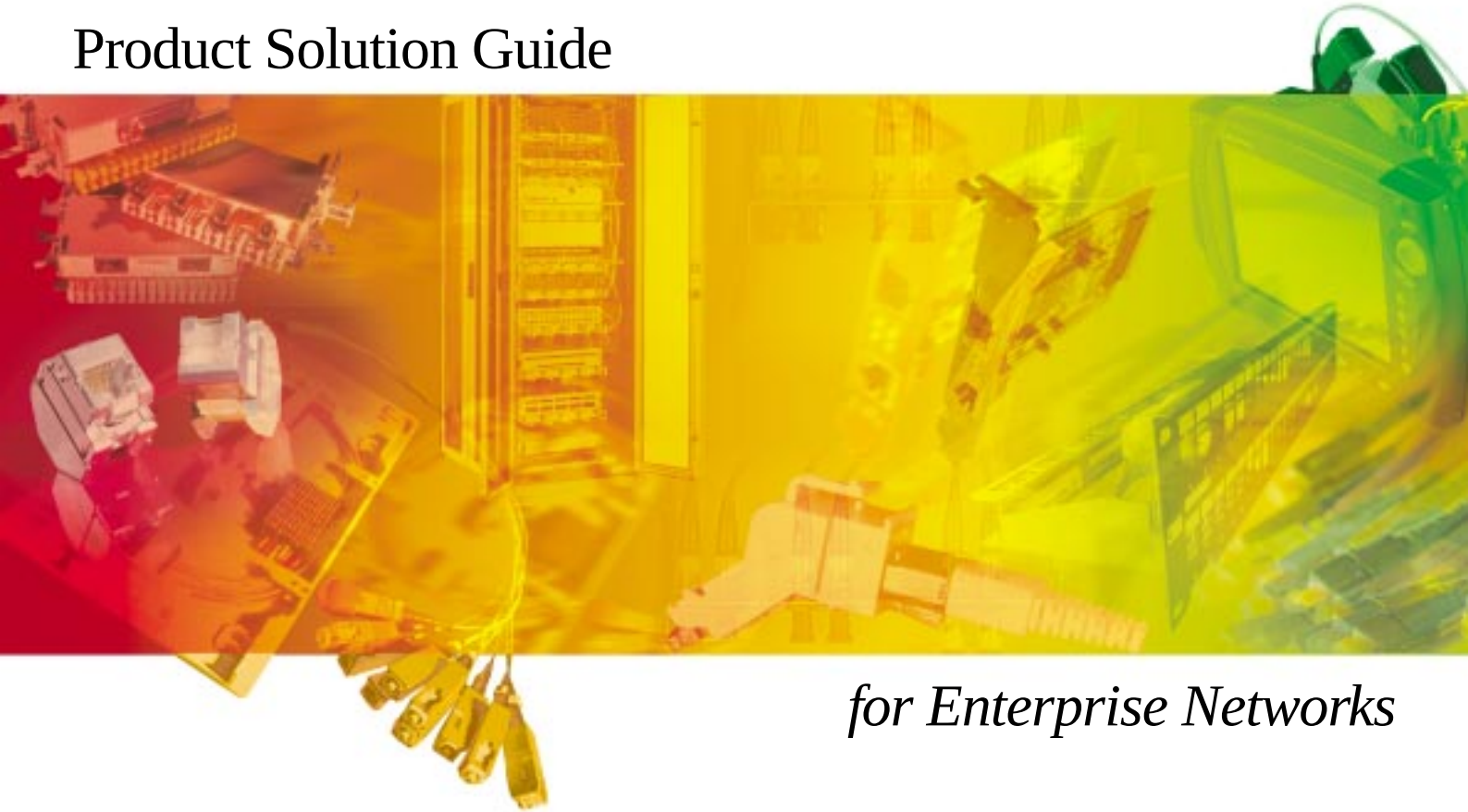
3M Telecommunications
Solutions for Networks

Product Solution Guide



for Enterprise Networks

3M *Innovation*

Solutions for Enterprise Networks

Everything your Network needs

3M Enterprise Network Solutions offer an array of high performance solutions for copper, fibre and copper/fibre hybrid networks.

Global training and product support from a supplier with 40 years of experience in communications networking is available to 3M's customers and partners.

Whatever your telecommunication- and data network needs, from small LAN to campus-wide networks, from analog voice to digital data at 10Gbps, 3M's innovative systems offer efficient, reliable and cost-effective solutions. Our portfolio is grouped into three segments:

- **Volition™ Network Solutions**
- **Fibre Interconnect Solutions**
- **Copper Interconnect Solutions**

Whether you are selecting products from just one of the segments or from all of them, they are all designed to enable you to build and operate efficient high-speed enterprise wide networks.

Volition™ Network Solutions feature copper and fibre interconnects, patchcords, horizontal and backbone cables for indoor and outdoor applications, and enabling electronic equipment.

The Fibre Interconnect Solutions portfolio includes an extensive line of ferruled fibre optic connectors, mechanical splices, cable assemblies and accessories.

The Copper Interconnect Solutions portfolio features a variety of cross-connect blocks with the appropriate distribution boxes and frames. It also features a range of telephone outlets.

The components of 3M's Enterprise Network Solutions feature innovative and high performance designs that offer strong customer value.

Solutions for Enterprise Networks

Everything your Network needs

Volition™ Network Solutions

Volition Network Solutions feature a unique fibre cabling system providing “freedom of choice” in the design and optimisation of the overall network architecture. It also features a state of the art voice and data copper cabling system, including a Category 6 offering, providing “significant channel performance headroom” over existing standards and helping customers to migrate to higher bandwidth.

A variety of easy to install and innovative connectivity solutions ensuring high performance, and reliable systems form part of the offer. The revolutionary VF-45™ small form factor fibre connector has helped in reducing the complexity of fibre networking, while the 3M RJ 45 copper products offer simple termination solutions – jacks snap on without tools – with built-in reliability features and component performance exceeding existing standards.

Fibre Interconnect Solutions

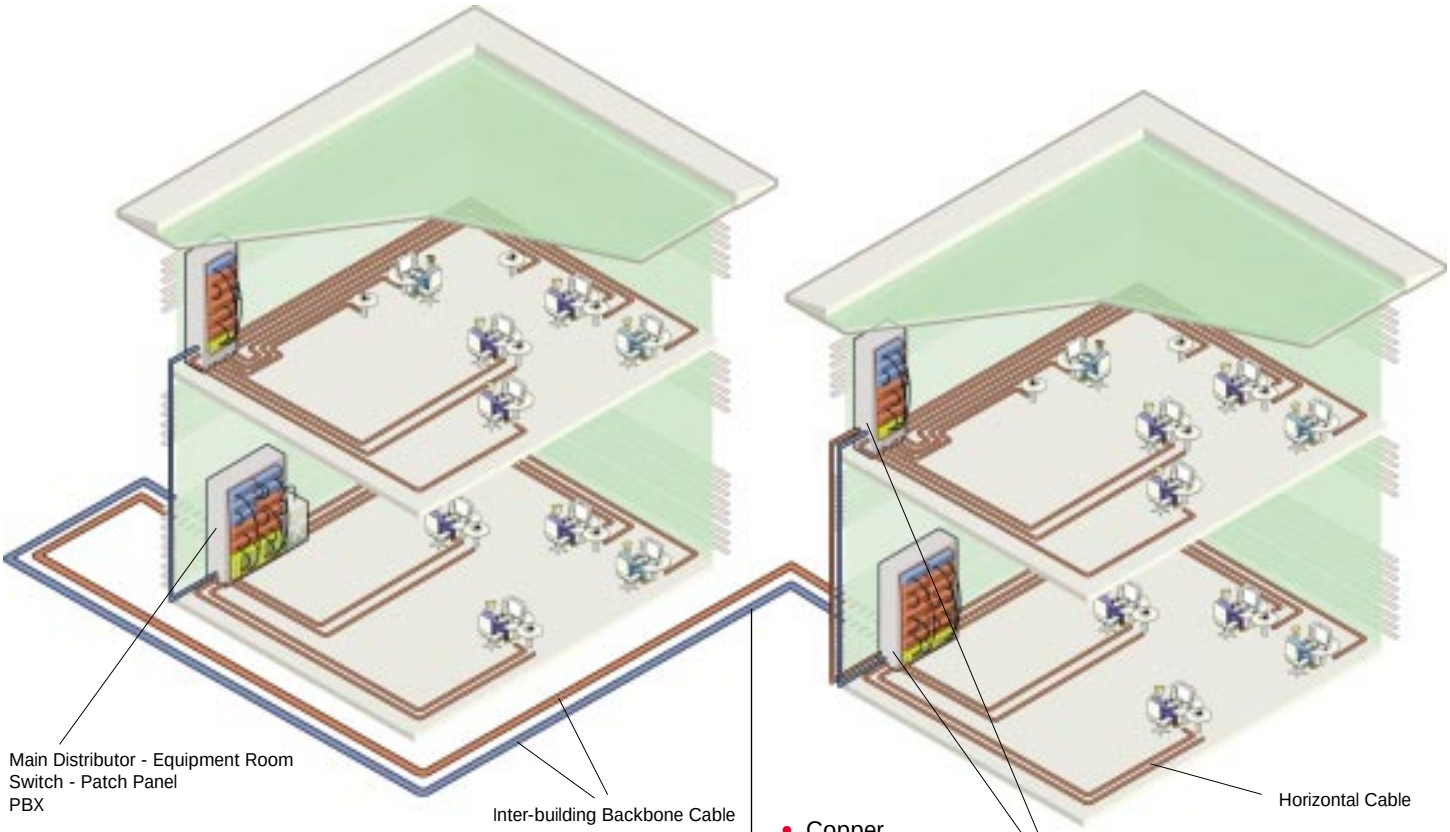
3M Fibre Interconnect Solutions offer a complete line of singlemode and multimode ferruled fibre optic connectors including Hot Melt and Crimplok™ connectors in ST and SC style. To complement this, connectors are also available terminated as pigtails or patch cords in a variety of lengths. There is also an extensive range of mounting hardware and accessories including 19” patch panels and distribution boxes. The Fibrlok™ mechanical splice, available in single and multi-fibre versions for single mode and multimode fibre completes the offer.

Copper Interconnect Solutions

3M Copper Interconnect Solutions include an extensive line of insulation displacement connector (IDC) products for voice and data applications and a comprehensive portfolio of complimentary accessories including mounting frames, distribution boxes and installation tooling. All the products within this segment have gained industry acceptance and recognition for consistent performance and ease of termination.

Solutions for Enterprise Networks

Freedom in Network Design

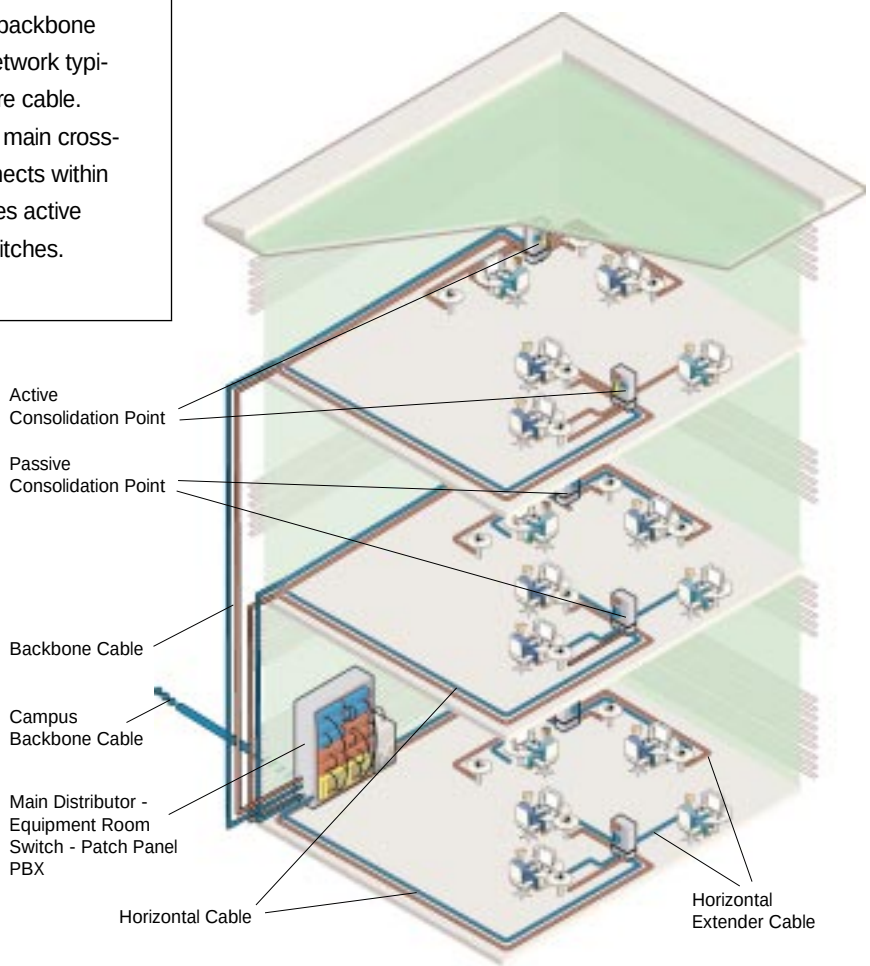


Distributed Network

In the conventional distributed structured cabling design, backbone cable is optical fibre, with the horizontal segment of the network typically comprised of twisted-pair copper cable or optical fibre cable. Backbone cables in an interbuilding network travel from a main cross-connect (Distributor) to one or more horizontal cross-connects within the telecommunication rooms on each floor, which includes active electronics equipment such as hubs, concentrators or switches.

Zone Distribution

Moves, adds or changes in an open-office environment can be accommodated quickly and efficiently through consolidation points by combining permanent feeder cabling with preterminated plug-and-play extender cables associated with the work area. Providing conectivity closer to end-users not only adds flexibility, but also reduces network down-time and re-cabling needs, which can result in significant cost savings.

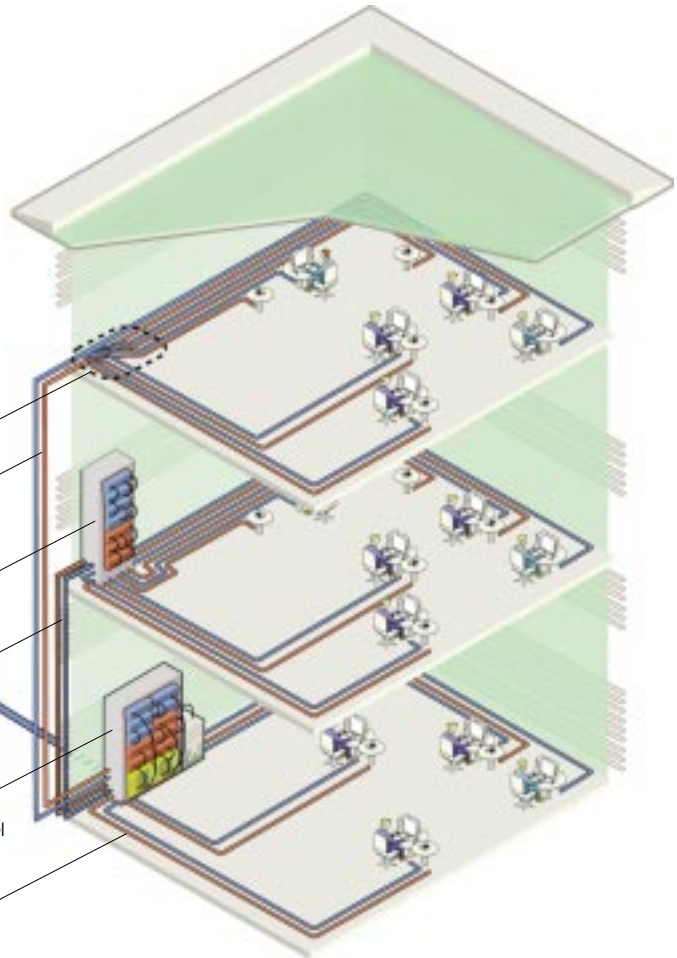


Solutions for Enterprise Networks

Freedom in Network Design

Centralized Network

Optical fibre's unlimited bandwidth and ability to carry data over long distances is best utilized in centralized networks. These networks have more unblocked bandwidth than distributed networks and are therefore better suited for combined voice, video and data traffic requiring quality of service implementation. Optical fibre eliminates intermediate closets, thus simplifying network layout and reducing overall system cost. A centralized network is the most efficient and cost effective way to implement fibre-to-the-desk.



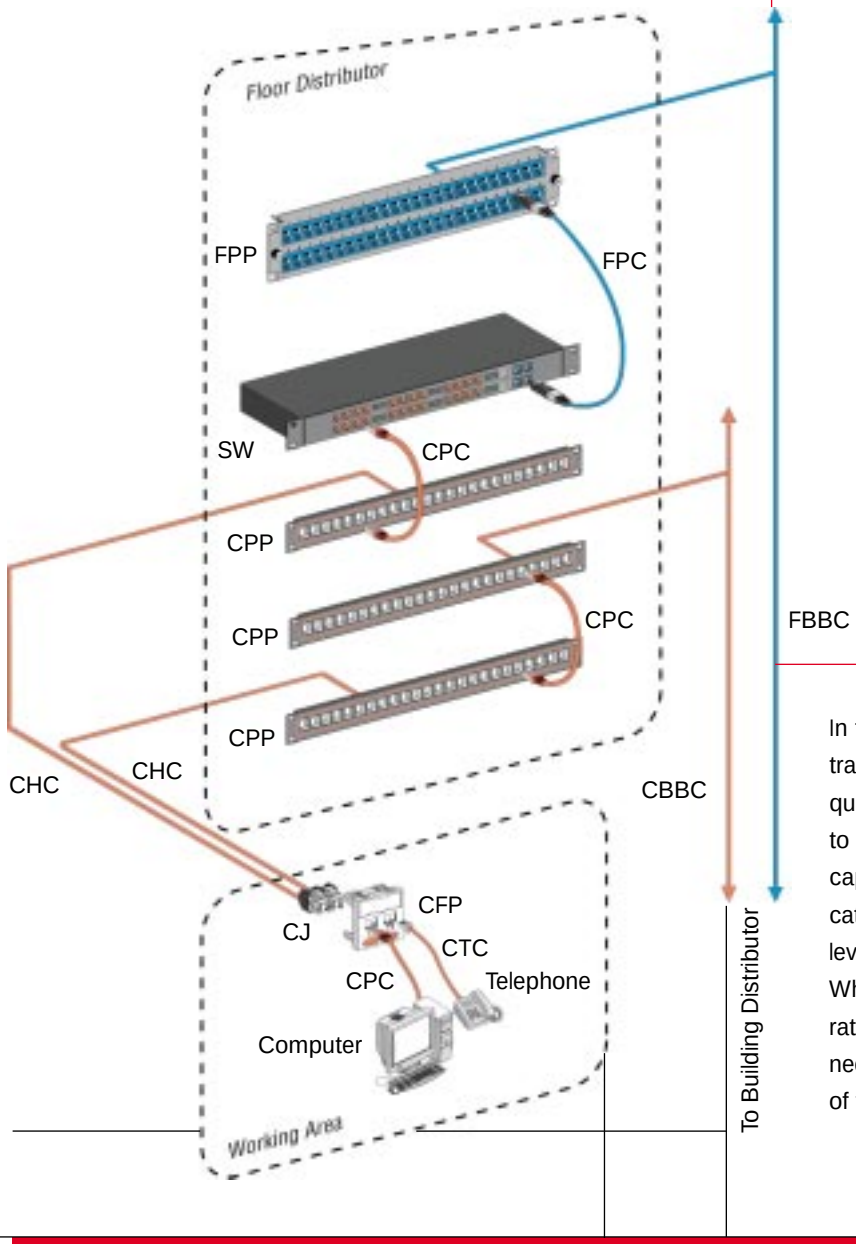
Comparison of Network Architectures

	Distributed Network	Zone Distribution	Centralized Network
Theoretical throughput	1 Gps	1 Gps	10 Gps
Bandwidth scalability	possibly up to 2.5 Gps	possibly up to 10 Gps	> 10 Gps with OM-3/SM
Network scalability cost	High	Med-High	Low
QOS / Security	Low	Medium	High
Maintenance	Difficult	Difficult	Easy
Sensivity to environment	Low	Medium	High
Moves and changes	Medium to difficult	Easy	Medium
Initial investment	80	90	100
Cost of ownership	100	90	80

Distributed Network

Fibre in the Backbone

The transmission capability of **fibre** makes it the ideal choice for the **backbone** since this is where the traffic is **concentrated**. Additionally, the superior distance capability of fibre makes it the ideal choice for cross campus links between building distributors.



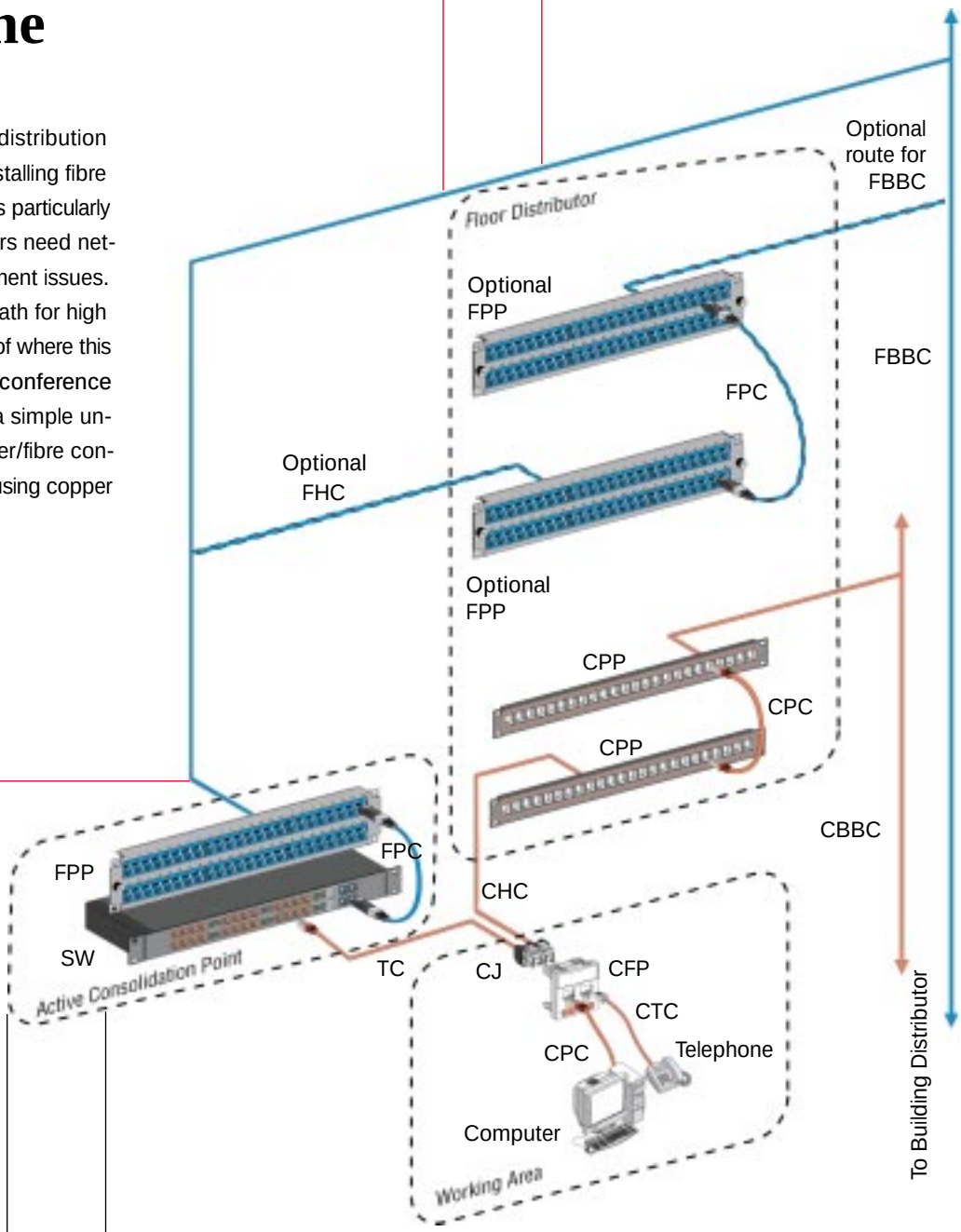
In the **horizontal** distribution, where traffic is less concentrated, **Category 5e** copper cabling meets all of today's requirements, adequately supporting transmission speeds up to 1Gbps. Looking to the future, the increased performance capability of the **Category 6** system means that new applications are also likely to be supported thus providing a high level of confidence that the network will last for many years. Where there are special requirements relating to the operating environment (**security** requirements, electrical **noise**, need for **long link lengths** or high **bandwidth** etc.), the use of **fibre** throughout the network should be considered.

Item			Page
CPC	•	Copper Patch Cable	29
CFP	•	Copper Face Plate	26
CJ	•	Copper Jack	24
CTC	•	Copper Telephone Cord	31
CHC	•	Copper Horizontal Cable	28
SW	•	Switch	35
CPP	•	Copper Patch Panel	27
FPC	•	Fibre Patch Cord	21
FBBC	•	Fibre Backbone Cable	18
CBBC	•	Copper Backbone Cable	29

Zone Distribution

Fibre to the Zone

Extending **fibre** out into the **horizontal** distribution provides an **economical** alternative to installing fibre throughout the network. This architecture is particularly beneficial in situations where multiple users need network access and there are cable containment issues. It also provides a **convenient upgrade** path for high bandwidth applications. Typical examples of where this architecture would be of benefit would be **conference rooms** and **classrooms**. In such cases a simple unmanaged switch would provide the copper/fibre conversion. Users would access the network using copper work area cords.



Item			Page
CPC	•	Copper Patch Cable	29
CTC	•	Copper Telephone Cord	31
FC	•	Fibre Connector	14
CJ	•	Copper Jack	24
FHC	•	Fibre Horizontal Cable	17
CHC	•	Copper Horizontal Cable	28
CPP	•	Copper Patch Panel	27
FPP	•	Fibre Patch Panel	16
FBBC	•	Fibre Backbone Cable	18
CBBC	•	Copper Backbone Cable	29

Centralized Network

Fibre to the desk (FTTD)

Although fibre has been used in the backbone for many years, widespread deployment has been less common even though its benefits and technical superiority have been widely accepted e.g.

- **High bandwidth** - up to 10Gbps on multimode fibre
- **Immunity to interference** - does not emit RFI is not susceptible to EMI
- **Security** - very difficult to tap into
- **Small physical size** - six-workstation fibre cable is the same diameter as a Category 5e copper cable
- **Long distance capability** - channel lengths much greater than 100m possible

Bandwidth and **distance** are probably the most important benefits and the network designer can leverage them to great advantage e.g.

- Implementation of centralized architecture
  - **Eliminates** Floor Distributors
  - **Simplifies** maintenance
- Formation of "switch farms" alongside "server farms"
  - **Improves** bandwidth, **eliminates** blocking
- Matching user/services/switch backplane performance
  - **Maximises** bandwidth delivered to the end user
- More efficient usage of equipment ports
  - More **cost effective**

If the network is properly designed, the network owner is not only guaranteed the best-installed performance, he is also assured that it will be usable in the future to support the most far reaching of applications.

The examples that follow show three alternative ways of deploying a centralized network architecture

- The **home run**: - fibre cable is pulled from the building distributor all the way to the telecommunications outlet
- The **home run with splice point**: - as above but a splice is introduced to breakout the high fibre count backbone cable into two and four fibre horizontal cable
- The **passive floor distributor**: - a passive cross connection point is retained and located in a floor distributor

Is a centralized network more expensive?

Simply comparing the cost of components will not reflect the true picture. As networks are designed to deliver a specified bandwidth to users irrespective of network usage, a good measure would be to compare the cost per Mbps delivered.
3M commissioned the Tolly Group to prepare a white paper[1] to compare traditional distributed network costs to those of a centralized fibre network. The comparison was on a per-user basis. Using the same network designs and costs found in that white paper the cost per Mbps delivered for the two architectures based on 267 users is shown below.

	Cat 5e Distributed Network	Fibre Optic Centralized Network
	(16-port edge switches w/gigabit uplink)	
Cost per user	$ 962.76	$ 806.80
Cost for 267 users	$ 257,056.92	$ 215,415.60
Available bandwidth per user	62,5 Mbps	100 Mbps
Total bandwidth delivered	16688 Mbps	26700 Mbps
Cost per Mbps delivered	$ 15.40	$ 8.07

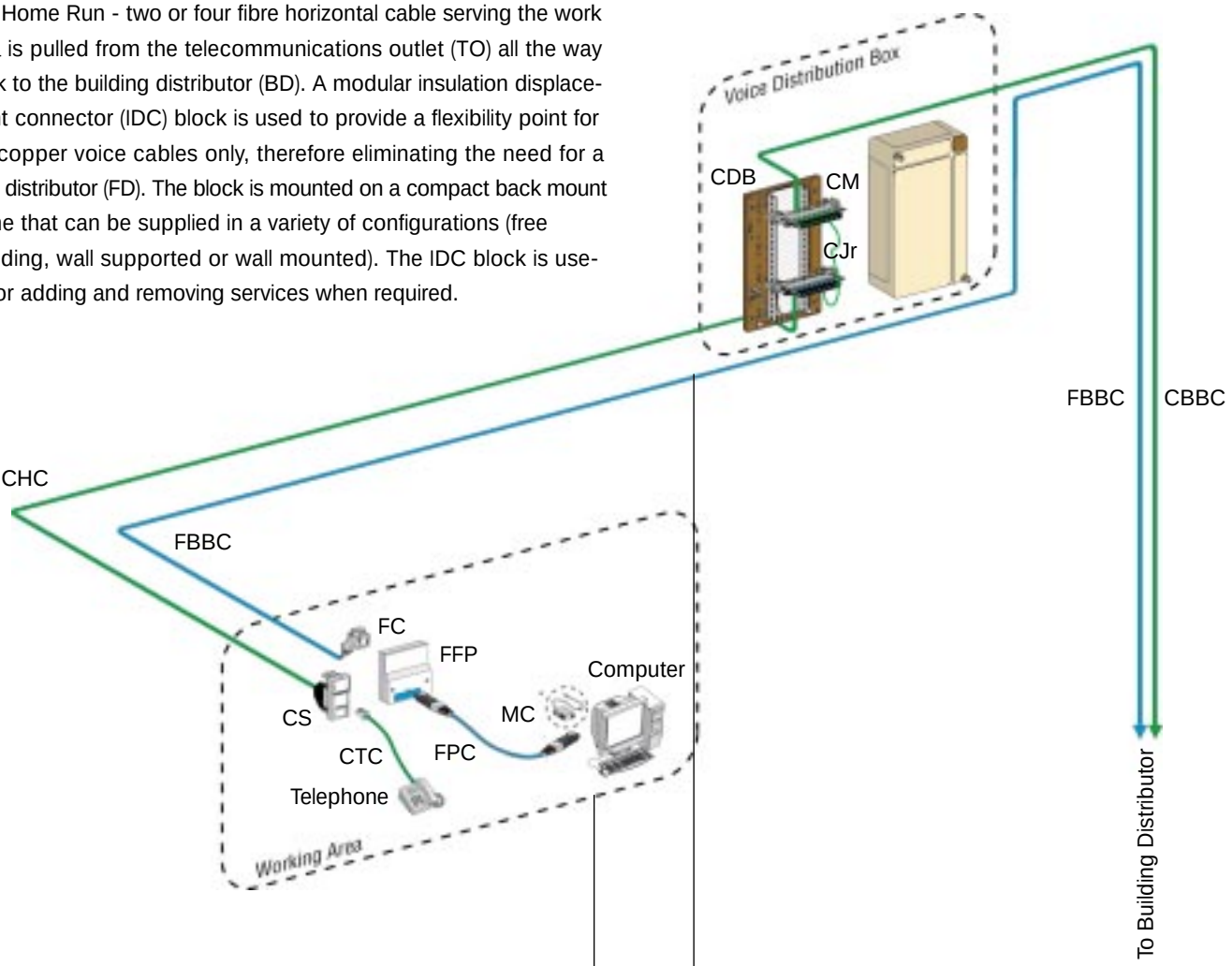
It can be seen that the centralized fibre network actually costs **48% less** per delivered Mbps than the equivalent distributed network while at the same time delivering **160% of the bandwidth**. It should be noted that as the network bandwidths increase, the centralized fibre architecture becomes even cheaper per delivered Mbps.

[1] The Tolly Group White Paper No. 200505, Migrating to Fibre: The Case for Centralized Cabling

Centralized Network Solutions

FTTD - The Home Run

The Home Run - two or four fibre horizontal cable serving the work area is pulled from the telecommunications outlet (TO) all the way back to the building distributor (BD). A modular insulation displacement connector (IDC) block is used to provide a flexibility point for the copper voice cables only, therefore eliminating the need for a floor distributor (FD). The block is mounted on a compact back mount frame that can be supplied in a variety of configurations (free standing, wall supported or wall mounted). The IDC block is useful for adding and removing services when required.

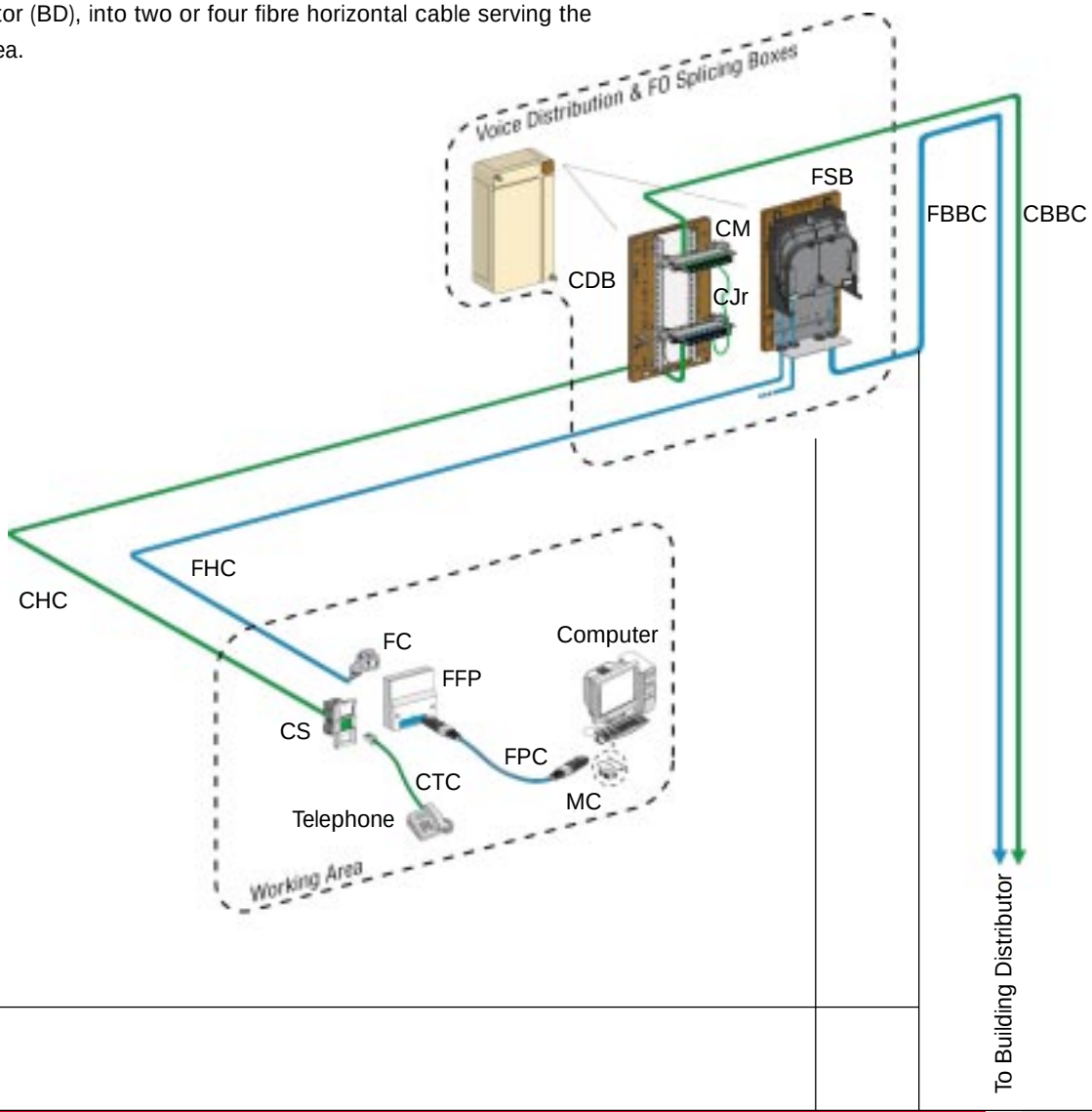


Item			Page
FPC	•	Fibre Patch Cord	21
FFP	•	Fibre Face Plate	16
FC	•	Fibre Connector	14
FBBC	•	Fibre Backbone Cable	18
CTC	•	Copper Telephone Cord	31
CS	•	Copper Socket	24
CHC	•	Copper Horizontal Cable	28
CDB	•	Copper Distribution Box	34
CM	•	Copper Module	25
CJr	•	Copper Jumper	Customer Supplied
CBBC	•	Copper Backbone Cable	29
MC	•	Media Converter (optional)	35

Centralized Network Solutions

FTTD - The Home Run with Splice Point

Similar to the Home Run, in this architecture a splice is added to breakout high fibre count backbone cable originating at the building distributor (BD), into two or four fibre horizontal cable serving the work area.



Item			Page
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FFP	•	Fibre Face Plate	16
FC	•	Fibre Connector	14
FHC	•	Fibre Horizontal Cable	17
FSB	•	Fibre Splice Box	17
FBBC	•	Fibre Backbone Cable	18
CTC	•	Copper Telephone Cord	31
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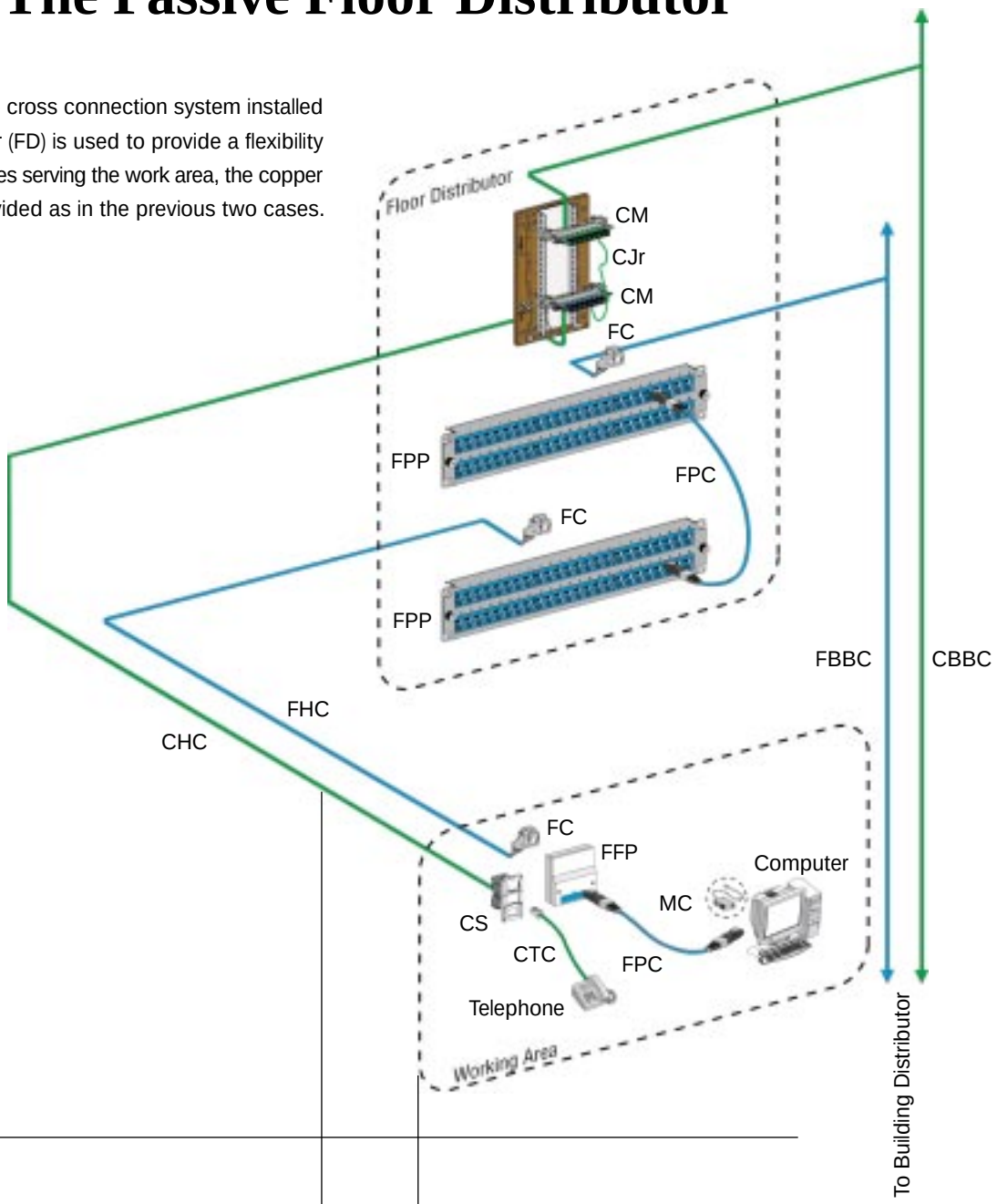
CJr	•	Copper Jumper	Customer Supplied
CBBC	•	Copper Backbone Cable	29
MC	•	Media Converter (optional)	35

Centralized Network Solutions

FTTD - The Passive Floor Distributor

In this case a passive cross connection system installed in the floor distributor (FD) is used to provide a flexibility point for the fibre cables serving the work area, the copper voice cables are provided as in the previous two cases.



Item			Page
FPC	•	Fibre Patch Cord	21
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MC	•	Media Converter (optional)	35
FBBC	•	Fibre Backbone Cable	18
CBBC	•	Copper Backbone Cable	29

Product List

Fibre Components

Fibre Connectors (FC)	14
Fibre Splice (FS)	16
Fibre Faceplates (FFP)	16
Fibre Patch Panels (FPP)	16
Fibre Splicebox (FSB)	17
Fibre Horizontal Cable (FHC)	17
Fibre Backbone Cable (FBBC)	18
Fibre Patch Cord (FPC)	21

Copper Components

Copper Jacks (CJ)	24
Copper Sockets (CS)	24
Copper Modules (CM)	25
Copper Face Plates (CFP)	26
Copper Patch Panels (CPP)	27
Copper Horizontal Cable (CHC)	28
Copper Backbone Cable (CBBC)	29
Copper Patch Cables (CPC)	29
Copper Telephone Cords (CTC)	31
Copper Distribution Boxes (CDB)	34

Miscellaneous

Cleaning Kit (CK)	35
Tools, Kits and Accessories (TKA)	35
Media Converters (MC)	35
Switches (SW)	35

Fibre Components

Description	Ref.-No

FC - Fibre Connectors

VF-45™ Socket Range

VF-45™ Socket, multimode	VOL-0001
VF-45™ Socket, singlemode	VOL-0002
VF-45™ Socket fibre holder	VOL-0011
VF-45™ Socket fibre holder, 900µm	VOL-0011A

ST product range

ST Hot-Melt multimode	
ST Hot-Melt Connector, multimode, 125µm, white boot	6100-W
ST Hot-Melt Connector, multimode, 125µm, red boot	6100-R
ST Hot-Melt Connector, multimode, 125µm, black boot	6100-B
ST Crimplok™ multimode	
ST Crimplock™ Connector, multimode, 125µm	6901
ST Hot-Melt singlemode	
ST Hot-Melt Connector, singlemode, 126µm, yellow boot	8100-YS
ST Epoxy multimode	
ST Epoxy Connector, multimode, 125µm, black boot	6105-B
ST Epoxy Connector, multimode, 125µm, red boot	6105-R
ST Epoxy singlemode	
ST Epoxy Connector, singlemode 126µm, yellow boot	8106
ST Epoxy Connector, singlemode 127µm, yellow boot	8107

SC product range

SC Hot-Melt multimode	
SC Hot-Melt Connector, multimode 125µm, white boot	6300-W
SC Hot-Melt Connector, multimode 125µm, white boot	6300-W5-12
SC Hot-Melt singlemode	
SC Hot-Melt Connector, singlemode 126µm, white boot	8300
SC Crimplok™ multimode	
SC Crimplok™ Connector, multimode 125µm	6900
SC Epoxy multimode	
SC Epoxy Connector, multimode 125µm, beige boot	6306-BE
SC Epoxy singlemode	
SC Epoxy Connector, singlemode 126µm, white boot	8306
SC Epoxy Connector, singlemode 127µm, white boot	8307

FC Product range

FC Hot-Melt multimode	
FC Hot-Melt Connector, multimode 125µm, white boot	6200
FC Epoxy multimode	
FC Epoxy Connector, multimode 125µm, white boot	6202
FC Epoxy singlemode	
FC Epoxy Connector, singlemode 126µm, white boot	8203
FC Epoxy Connector, singlemode 127µm, white boot	8204

Fibre Components

Description	Ref.-No
ST Couplings	
Multimode ST Couplings	
ST/ST Coupling simplex, multimode, threaded with panel nut and lock washer	6112
ST/ST Coupling simplex, multimode, threaded	6113
Singlemode ST Couplings	
ST/ST Coupling duplex, singlemode, threaded	8113
ST/ST Coupling simplex, singlemode, threaded with panel nut and lock washer	8119
ST/ST Coupling simplex, singlemode, metal	7441
Hybrid Couplings	
SC/ST hybrid Coupling duplex, multimode	ST/SC MM
SC/ST hybrid Coupling duplex, singlemode	ST/SC SM
SC Couplings	
Multimode SC Couplings	
SC/SC Coupling duplex, multimode, blue	6313
SC/SC Coupling duplex, multimode, metal body	6313M
SC/SC Coupling simplex, multimode	6310
Singlemode SC Couplings	
SC/SC Coupling duplex, singlemode	8313
SC/SC Coupling simplex, singlemode	8310
FC Couplings	
FC/PC-FC/PC Coupling simplex, singlemode, Square flanged	8210
FC/PC-FC/PC Coupling simplex, singlemode, D mount	8211

Fibre Components

Description	Ref.-No

FS - Fibre Splice

Single-fibre Fibrlok™ splice

2529 Fibrlok II Universal optical fibre splice, 250 X 900	84871
2529 Fibrlok II Universal optical fibre splice, 250 X 900	84402

Multi-fibre Fibrlok™ splice

2604 Fibrlok multi-fibre optical splice (4 fibres)	84558
2612 Fibrlok multi-fibre optical splice (12 fibres)	83469

FFP - Fibre Faceplates

Volition™ Wall Faceplates

Wall outlet, 80mm x 80mm, office white - Europe	VOL-0255W
Wall outlet, 86mm x 86mm, office white - Europe	VOL-0256W
Wall outlet, 80mm x 80mm , cream white - Europe	VOL-0255C
Wall outlet, Module 45mm x 90mm, office white	VOL-0257W
Wall outlet, 210mm x 160mm x 60mm, white, 6-port	2552 SA VF-45

ST Wall Faceplate

for 2 x ST-Simplex (30 degree)	FIPTOST-70
for 4 x ST-Simplex	FIPTOST-80

SC Wall Faceplate

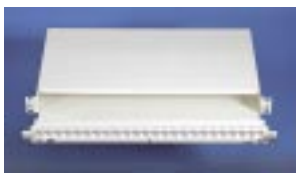
for 2 x SC-Duplex	FIPTOSC-80
for 2 x SC-Duplex (30 degree)	FIPTOSC-70

Volition™ Floor inserts (for Ackermann Tank GES(R) 2,4,6,7,9)

Floortank Insert, Ackermann 3 x VF-45, 3 x Quante RJ45	VOL-0259 A
Floortank Insert, Ackermann 3 x VF-45, 3 x Panduit RJ45	VOL-0259 B
Floortank Insert, Ackermann 3 x VF-45, 2 x IBM RJ45	VOL-0259 C

FPP - Fibre Patch Panels

Volition™ 19" Patch Panels



Patch Panel, sliding, 24 port 1U	VOL-0430-ES
Patch Panel, sliding, 48 port 2U	VOL-0432-ES
Patch Panel, sliding, 72 port 3U	VOL-0434-ES
Patch cord management Panel	VOL-0499-E

ST and SC 19" Patch Panels, empty without faceplate

19'' Splice drawer sliding, 1U, empty for 12 ST	DE-0100-0954-1
19'' Splice drawer sliding, 1U, empty for 24 ST	DE-0100-0955-8
19'' Splice drawer sliding, 1U, empty for 24 SC-Duplex	DE-0100-1319-6
19'' Splice drawer sliding, 1U, empty for 12 SC-Duplex	DE-0100-0957-4
19'' Splice drawer sliding, 1U, empty for 6 SC-Duplex	DE-0100-1225-5

Fibre Components

Description	Ref.-No
ST and SC 19" Patch Panels, with couplings and faceplate	
19'' Splice drawer sliding, 1U, with 12 ST Couplings MM	DE-0100-0679-4
19'' Splice drawer sliding, 1U, with 24 ST Couplings MM	DE-0100-0680-2
19'' Splice drawer sliding, 1U, with 12 ST/SC-Duplex Coupling MM	DE-0100-0681-0
19'' Splice drawer sliding, 1U, with 24 ST/SC-Duplex Coupling MM	TBD
Blanking Plugs for Volition™ Outlets and Patch Panels	
Blank insert - office white	VOL-0300
Blank insert - bright white	VOL-0300B
Volition™ Wall mount Patch Panels	
Wall mount Patch Panel, 6 port, w/ bezels	VOL-0406B
Wall mount Patch Panel, 12 port, w/ bezels	VOL-0412B
Wall mount Patch Panel, 24 port, w/ bezels	VOL-0424B

FSB - Fibre Splice Box

Type I: 48 - 96 Fibres, 300 x 300 x 85mm	
Type II: 144 - 288 Fibres, 225 x 600 x 220mm	VOL-0450
Type III: 288 - 576 Fibres, 425 x 600 x 210mm	VOL-0451
Type IV: 288 - 864 Fibres, 650 x 600 x 210mm	VOL-0452
	VOL-0453

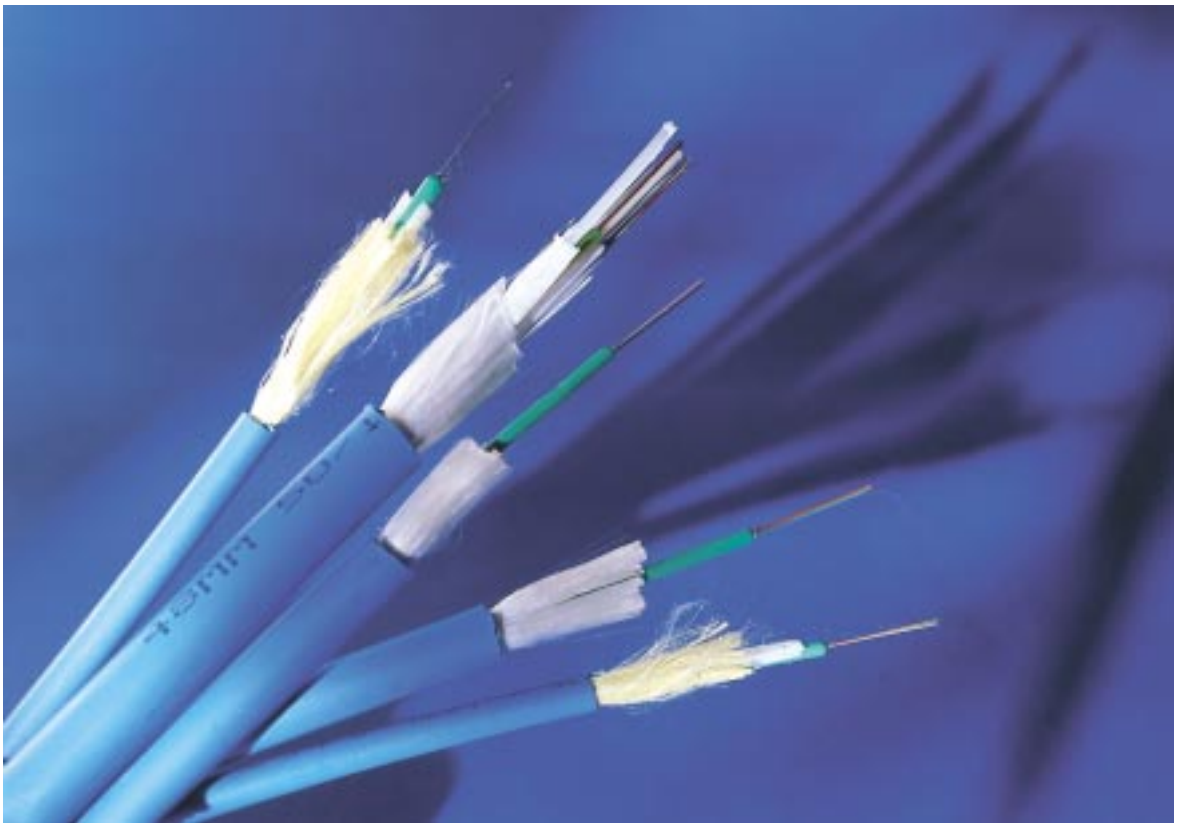
FHC - Fibre Horizontal Cable

50/125µm multimode	
Horizontal 50/125µm, 2 fibre LSZH, 1km	VOL-H52L1
Horizontal 50/125µm, 4 fibre LSZH, 1km	VOL-H54L1
Horizontal 50/125µm, 2 fibre LSZH, 2km	VOL-H52L2
Horizontal 50/125µm, 4 fibre LSZH, 2km	VOL-H54L2
62.5/125µm multimode	
Horizontal 62.5/125µm, 2 fibre LSZH, 1km	VOL-H62L1
Horizontal 62.5/125µm, 4 fibre LSZH, 1km	VOL-H64L1
9/125µm singlemode	
Horizontal singlemode 2 fibre 9/125µm LSZH	VOL-H92L1
Horizontal singlemode 4 fibre 9/125µm LSZH	VOL-H94L1
Hybrid multimode/singlemode	
Horizontal Hybrid 2 fibre 9/125µm & 2 fibre 50/125µm LSZH	VOL-H954L1
Horizontal Hybrid 2 fibre 9/125µm & 2 fibre 62.5/125µm LSZH	VOL-H964L1

Fibre Components

Description	Ref.-No

FBBC - Fibre Backbone Cable



Backbone Indoor Cable, 50/125µm multimode	VOL-B 56
6 fibre LSZH	VOL-B 512
12 fibre LSZH	VOL-B 524
24 fibre LSZH	VOL-B 548
48 fibre LSZH	VOL-B 572
72 fibre LSZH	VOL-B 596
96 fibre LSZH	
Backbone Indoor Cable, 62.5/125µm multimode	VOL-B 66
6 fibre LSZH	VOL-B 612
12 fibre LSZH	VOL-B 624
24 fibre LSZH	VOL-B 648
48 fibre LSZH	VOL-B 672
72 fibre LSZH	VOL-B 696
96 fibre LSZH	
Backbone Indoor Cable, 9/125µm singlemode	VOL-B 96
6 fibre LSZH	VOL-B 912
12 fibre LSZH	VOL-B 924
24 fibre LSZH	VOL-B 948
48 fibre LSZH	VOL-B 972
72 fibre LSZH	VOL-B 99
96 fibre LSZH	

Fibre Components

Description	Ref.-No
Backbone Indoor / Outdoor Cable, Aramid, 50/125µm multimode	VOL-IO A52
2 fibre Unitube, gel filled w/ aramid yarn LSZH	VOL-IO A54
4 fibre Unitube, gel filled w/ aramid yarn LSZH	VOL-IO A56
6 fibre Unitube, gel filled w/ aramid yarn LSZH	VOL-IO A58
8 fibre Unitube, gel filled w/ aramid yarn LSZH	VOL-IO A512
12 fibre Unitube, gel filled w/ aramid yarn LSZH	VOL-IO A524
24 fibre Unitube, gel filled w/ aramid yarn LSZH	VOL-IO A548
48 fibre Loose Tube, gel filled w/ FRP LSZH	VOL-IO A572
72 fibre Loose Tube, gel filled w/ FRP LSZH	VOL-IO A596
96 fibre Loose Tube, gel filled w/ FRP LSZH	
Backbone Indoor / Outdoor Cable, Aramid, 62.5/125µm multimode	VOL-IO A62
2 fibre Unitube, gel filled w/ aramid yarn LSZH	VOL-IO A64
4 fibre Unitube, gel filled w/ aramid yarn LSZH	VOL-IO A66
6 fibre Unitube, gel filled w/ aramid yarn LSZH	VOL-IO A68
8 fibre Unitube, gel filled w/ aramid yarn LSZH	VOL-IO A612
12 fibre Unitube, gel filled w/ aramid yarn LSZH	VOL-IO A624
24 fibre Unitube, gel filled w/ aramid yarn LSZH	VOL-IO A648
48 fibre Loose Tube, gel filled w/ FRP LSZH	VOL-IO A672
72 fibre Loose Tube, gel filled w/ FRP LSZH	VOL-IO A696
96 fibre Loose Tube, gel filled w/ FRP LSZH	
Backbone Indoor / Outdoor Cable, Aramid, 9/125µm singlemode	VOL-IO A924
2 fibre Unitube, gel filled w/ aramid yarn LSZH	VOL-IO A94
4 fibre Unitube, gel filled w/ aramid yarn LSZH	VOL-IO A96
6 fibre Unitube, gel filled w/ aramid yarn LSZH	VOL-IO A98
8 fibre Unitube, gel filled w/ aramid yarn LSZH	VOL-IO A912
12 fibre Unitube, gel filled w/ aramid yarn LSZH	VOL-IO A924
24 fibre Unitube, gel filled w/ aramid yarn LSZH	VOL-IO A948
48 fibre Loose Tube, gel filled w/ FRP LSZH	VOL-IO A972
72 fibre Loose Tube, gel filled w/ FRP LSZH	VOL-IO A996
96 fibre Loose Tube, gel filled w/ FRP LSZH	
Backbone Indoor / Outdoor Cable, glasyarn, 50/125µm multimode	VOL-IO G52
2 fibre Unitube, gel filled w/ glasyarn LSZH	VOL-IO G54
4 fibre Unitube, gel filled w/ glasyarn LSZH	VOL-IO G56
6 fibre Unitube, gel filled w/ glasyarn LSZH	VOL-IO G58
8 fibre Unitube, gel filled w/ glasyarn LSZH	VOL-IO G512
12 fibre Unitube, gel filled w/ glasyarn LSZH	VOL-IO G524
24 fibre Unitube, gel filled w/ glasyarn LSZH	VOL-IO G548
48 fibre Loose Tube, gel filled w/ glasyarn w/ FRP LSZH	VOL-IO G572
72 fibre Loose Tube, gel filled w/ glasyarn w/ FRP LSZH	VOL-IO G596
96 fibre Loose Tube, gel filled w/ glasyarn w/ FRP LSZH	
Backbone Indoor / Outdoor Cable, glasyarn, 62.5/125µm multimode	VOL-IO G62
2 fibre Unitube, gel filled w/ glasyarn LSZH	VOL-IO G64
4 fibre Unitube, gel filled w/ glasyarn LSZH	VOL-IO G66
6 fibre Unitube, gel filled w/ glasyarn LSZH	VOL-IO G68
8 fibre Unitube, gel filled w/ glasyarn LSZH	VOL-IO G612
12 fibre Unitube, gel filled w/ glasyarn LSZH	VOL-IO G624
24 fibre Unitube, gel filled w/ glasyarn LSZH	VOL-IO G648
48 fibre Loose Tube, gel filled w/ glasyarn w/ FRP LSZH	VOL-IO G672
72 fibre Loose Tube, gel filled w/ glasyarn w/ FRP LSZH	VOL-IO G696
96 fibre Loose Tube, gel filled w/ glasyarn w/ FRP LSZH	

Fibre Components

Description	Ref.-No
Backbone Indoor / Outdoor Cable, glasyarn, 9/125µm singlemode	VOL-IO G92
2 fibre Unitube, gel filled w/ glasyarn LSZH	VOL-IO G94
4 fibre Unitube, gel filled w/ glasyarn LSZH	VOL-IO G96
6 fibre Unitube, gel filled w/ glasyarn LSZH	VOL-IO G98
8 fibre Unitube, gel filled w/ glasyarn LSZH	VOL-IO G912
12 fibre Unitube, gel filled w/ glasyarn LSZH	VOL-IO G924
24 fibre Unitube, gel filled w/ glasyarn LSZH	VOL-IO G948
48 fibre Loose Tube, gel filled w/ glasyarn w/ FRP LSZH	VOL-IO G972
72 fibre Loose Tube, gel filled w/ glasyarn w/ FRP LSZH	VOL-IO G996
96 fibre Loose Tube, gel filled w/ glasyarn w/ FRP LSZH	
Backbone Indoor / Outdoor Cable, corrugated Steel, 50/125µm multimode	VOL-IO S52
2 fibre Unitube, gel filled w/ aramid yarn & corrugated steel LSZH	VOL-IO S54
4 fibre Unitube, gel filled w/ aramid yarn & corrugated steel LSZH	VOL-IO S56
6 fibre Unitube, gel filled w/ aramid yarn & corrugated steel LSZH	VOL-IO S58
8 fibre Unitube, gel filled w/ aramid yarn & corrugated steel LSZH	VOL-IO S512
12 fibre Unitube, gel filled w/ aramid yarn & corrugated steel LSZH	VOL-IO S524
24 fibre Unitube, gel filled w/ aramid yarn & corrugated steel LSZH	VOL-IO S548
48 fibre Loose Tube, gel filled w/ FRP & corrugated steel LSZH	VOL-IO S572
72 fibre Loose Tube, gel filled w/ FRP & corrugated steel LSZH	VOL-IO S596
96 fibre Loose Tube, gel filled w/ FRP & corrugated steel LSZH	
Backbone Indoor / Outdoor Cable, corrugated Steel, 62.5/125µm multimode	VOL-IO S62
2 fibre Unitube, gel filled w/ aramid yarn & corrugated steel LSZH	VOL-IO S64
4 fibre Unitube, gel filled w/ aramid yarn & corrugated steel LSZH	VOL-IO S66
6 fibre Unitube, gel filled w/ aramid yarn & corrugated steel LSZH	VOL-IO S68
8 fibre Unitube, gel filled w/ aramid yarn & corrugated steel LSZH	VOL-IO S612
12 fibre Unitube, gel filled w/ aramid yarn & corrugated steel LSZH	VOL-IO S624
24 fibre Unitube, gel filled w/ aramid yarn & corrugated steel LSZH	VOL-IO S648
48 fibre Loose Tube, gel filled w/ FRP & corrugated steel LSZH	VOL-IO S672
72 fibre Loose Tube, gel filled w/ FRP & corrugated steel LSZH	VOL-IO S696
96 fibre Loose Tube, gel filled w/ FRP & corrugated steel LSZH	
Backbone Indoor / Outdoor Cable, corrugated Steel, 9/125µm singlemode	VOL-IO S92
2 fibre Unitube, gel filled w/ aramid yarn & corrugated steel LSZH	VOL-IO S94
4 fibre Unitube, gel filled w/ aramid yarn & corrugated steel LSZH	VOL-IO S96
6 fibre Unitube, gel filled w/ aramid yarn & corrugated steel LSZH	VOL-IO S98
8 fibre Unitube, gel filled w/ aramid yarn & corrugated steel LSZH	VOL-IO S912
12 fibre Unitube, gel filled w/ aramid yarn & corrugated steel LSZH	VOL-IO S924
24 fibre Unitube, gel filled w/ aramid yarn & corrugated steel LSZH	VOL-IO S948
48 fibre Loose Tube, gel filled w/ FRP & corrugated steel LSZH	VOL-IO S972
72 fibre Loose Tube, gel filled w/ FRP & corrugated steel LSZH	VOL-IO S996
96 fibre Loose Tube, gel filled w/ FRP & corrugated steel LSZH	

Fibre Components

Description	Ref.-No

FPC - Fibre Patch Cord

Fibre Patch Cord, duplex VF-45™ to VF-45™, 50/125µm multimode, LSZH	
Patchcord, VF-45 to VF-45, 50µm, LSZH, 1m	VOL-V5L1
Patchcord, VF-45 to VF-45, 50µm, LSZH, 2m	VOL-V5L2
Patchcord, VF-45 to VF-45, 50µm, LSZH, 3m	VOL-V5L3
Patchcord, VF-45 to VF-45, 50µm, LSZH, 5m	VOL-V5L5
Fibre Patch Cord, duplex VF-45™ to ST, 50/125µm multimode, LSZH	
Patchcord, VF-45 to ST, 50µm, LSZH, 1m	VOL-T5L1
Patchcord, VF-45 to ST, 50µm, LSZH, 2m	VOL-T5L2
Patchcord, VF-45 to ST, 50µm, LSZH, 3m	VOL-T5L3
Patchcord, VF-45 to ST, 50µm, LSZH, 5m	VOL-T5L5
Fibre Patch Cord, duplex VF-45™ to SC, 50/125µm multimode, LSZH	
Patchcord, VF-45 to SC, 50µm, LSZH, 1m	VOL-C5L1
Patchcord, VF-45 to SC, 50µm, LSZH, 2m	VOL-C5L2
Patchcord, VF-45 to SC, 50µm, LSZH, 3m	VOL-C5L3
Patchcord, VF-45 to SC, 50µm, LSZH, 5m	VOL-C5L5
Fibre Patch Cord, duplex VF-45™ to LC, 50/125µm multimode, LSZH	
Patchcord, VF-45 to LC, 50µm, LSZH, 1m	VOL-L5L1
Patchcord, VF-45 to LC, 50µm, LSZH, 2m	VOL-L5L2
Patchcord, VF-45 to LC, 50µm, LSZH, 3m	VOL-L5L3
Patchcord, VF-45 to LC, 50µm, LSZH, 5m	VOL-L5L5
Fibre Patch Cord, duplex VF-45™ to MT-RJ, 50/125µm multimode, LSZH	
Patchcord, VF-45 to MT-RJ, 50µm, LSZH, 1m	VOL-M5RL1
Patchcord, VF-45 to MT-RJ, 50µm, LSZH, 2m	VOL-M5RL2
Patchcord, VF-45 to MT-RJ, 50µm, LSZH, 3m	VOL-M5RL3
Patchcord, VF-45 to MT-RJ, 50µm, LSZH, 5m	VOL-M5RL5
Fibre Patch Cord, duplex VF-45™ to VF-45™, 62.5/125µm multimode, LSZH	
Patchcord, VF-45 to VF-45, 62.5µm, LSZH, 1m	VOL-V6L1
Patchcord, VF-45 to VF-45, 62.5µm, LSZH, 2m	VOL-V6L2
Patchcord, VF-45 to VF-45, 62.5µm, LSZH, 3m	VOL-V6L3
Patchcord, VF-45 to VF-45, 62.5µm, LSZH, 5m	VOL-V6L5
Fibre Patch Cord, duplex VF-45™ to ST, 62.5/125µm multimode, LSZH	
Patchcord, VF-45 to ST, 62.5µm, LSZH, 1m	VOL-T6L1
Patchcord, VF-45 to ST, 62.5µm, LSZH, 2m	VOL-T6L2
Patchcord, VF-45 to ST, 62.5µm, LSZH, 3m	VOL-T6L3
Patchcord, VF-45 to ST, 62.5µm, LSZH, 5m	VOL-T6L5
Fibre Patch Cord, duplex VF-45™ to MT-RJ, 62.5/125µm multimode, LSZH	
Patchcord, VF-45 to MT-RJ, 62.5µm, LSZH, 1m	VOL-M6R/L1
Patchcord, VF-45 to MT-RJ, 62.5µm, LSZH, 2m	VOL-M6R/L2
Patchcord, VF-45 to MT-RJ, 62.5µm, LSZH, 3m	VOL-M6R/L3
Patchcord, VF-45 to MT-RJ, 62.5µm, LSZH, 5m	VOL-M6R/L5

Fibre Components

Description	Ref.-No
Fibre Patch Cord, duplex VF-45™ to SC, 62.5/125µm multimode, LSZH	
Patchcord, VF-45 to SC, 62.5µm, LSZH, 1m	VOL-C6L1
Patchcord, VF-45 to SC, 62.5µm, LSZH, 2m	VOL-C6L2
Patchcord, VF-45 to SC, 62.5µm, LSZH, 3m	VOL-C6L3
Patchcord, VF-45 to SC, 62.5µm, LSZH, 5m	VOL-C6L5
Fibre Patch Cord, duplex VF-45™ to LC, 62.5/125µm multimode, LSZH	
Patchcord, VF-45 to LC, 62.5µm, LSZH, 1m	VOL-L6L1
Patchcord, VF-45 to LC, 62.5µm, LSZH, 2m	VOL-L6L2
Patchcord, VF-45 to LC, 62.5µm, LSZH, 3m	VOL-L6L3
Patchcord, VF-45 to LC, 62.5µm, LSZH, 5m	VOL-L6L5
Fibre Patch Cord, duplex VF-45™ to VF-45™, 9/125µm singlemode, LSZH	
Patchcord, VF-45 to VF-45, SM LSZH, 1m	VOL-V9L1
Patchcord, VF-45 to VF-45, SM LSZH, 2m	VOL-V9L2
Patchcord, VF-45 to VF-45, SM LSZH, 3m	VOL-V9L3
Patchcord, VF-45 to VF-45, SM LSZH, 5m	VOL-V9L5
Fibre Patch Cord, duplex VF-45™ to ST, 9/125µm singlemode, LSZH	
Patchcord, VF-45 to ST, SM LSZH, 1m	VOL-T9L1
Patchcord, VF-45 to ST, SM LSZH, 2m	VOL-T9L2
Patchcord, VF-45 to ST, SM LSZH, 3m	VOL-T9L3
Patchcord, VF-45 to ST, SM LSZH, 5m	VOL-T9L5
Fibre Patch Cord, duplex VF-45™ to SC, 9/125µm singlemode, LSZH	
Patchcord, VF-45 to SC, SM LSZH, 1m	VOL-C9L1
Patchcord, VF-45 to SC, SM LSZH, 2m	VOL-C9L2
Patchcord, VF-45 to SC, SM LSZH, 3m	VOL-C9L3
Patchcord, VF-45 to SC, SM LSZH, 5m	VOL-C9L5
Fibre Patch Cord, duplex VF-45™ to MT-RJ, 9/125µm singlemode, LSZH	
Patchcord, VF-45 to MT-RJ, SM LSZH, 1m	VOL-M9L1
Patchcord, VF-45 to MT-RJ, SM LSZH, 2m	VOL-M9L2
Patchcord, VF-45 to MT-RJ, SM LSZH, 3m	VOL-M9L3
Patchcord, VF-45 to MT-RJ, SM LSZH, 5m	VOL-M9L5

Fibre Components

Description	Ref.-No
Fibre Patch Cord duplex ST - ST 50/125µm multimode	
ST-ST patchcord duplex multimode 50/125µm, 1m	BANAN-AX0001
ST-ST patchcord duplex multimode 50/125µm, 2m	BANAN-AX0002
ST-ST patchcord duplex multimode 50/125µm, 5m	BANAN-AX0005
Fibre Patch Cord duplex ST - ST 62.5/125µm multimode	
ST-ST patchcord duplex multimode 62.5/125µm, grey, 1m	BANAN-AQ0001
ST-ST patchcord duplex multimode 62.5/125µm, grey, 2m	BANAN-AQ0002
ST-ST patchcord duplex multimode 62.5/125µm, grey, 5m	BANAN-AQ0005
Fibre Patch Cord duplex SC - SC 50/125µm multimode	
SC-SC Patchcord duplex multimode 50/125µm, 1m	BDBDB-AX0001
SC-SC Patchcord duplex multimode 50/125µm, 2m	BDBDB-AX0002
SC-SC Patchcord duplex multimode 50/125µm, 5m	BDBDB-AX0005
Fibre Patch Cords duplex SC - SC 62.5/125µm multimode	
SC-SC Patchcord duplex multimode 62.5/125µm, grey, 1m	BDBDB-AQ0001
SC-SC Patchcord duplex multimode 62.5/125µm, grey, 2m	BDBDB-AQ0002
SC-SC Patchcord duplex multimode 62.5/125µm, grey, 5m	BDBDB-AQ0005
Fibre Patch Cord duplex ST - SC 50/125µm multimode	
ST-SC Patchcord duplex multimode 50/125µm, grey, 1m	BANDB-AX0001
ST-SC Patchcord duplex multimode 50/125µm, grey, 2m	BANDB-AX0002
ST-SC Patchcord duplex multimode 50/125µm, grey, 5m	BANDB-AX0005
Fibre Patch Cord duplex ST - SC 62.5/125µm multimode	
ST-SC Patchcord duplex multimode 62.5/125µm, 1m	BANDB-AQ0001
ST-SC Patchcord duplex multimode 62.5/125µm, 2m	BANDB-AQ0002
ST-SC Patchcord duplex multimode 62.5/125µm, 5m	BANDB-AQ0005
Fibre Patch Cord duplex MTRJ - ST 50/125µm multimode	
MTRJ-ST Patchcord duplex multimode 50/125µm, 1m	BMTAN-AX0001
MTRJ-ST Patchcord duplex multimode 50/125µm, 2m	BMTAN-AX0002
MTRJ-ST Patchcord duplex multimode 50/125µm, 5m	BMTAN-AX0005
Fibre Patch Cord duplex MTRJ - SC 50/125µm multimode	
MTRJ-SC Patchcord duplex multimode 50/125µm, 1m	BMTDB-AX0001
MTRJ-SC Patchcord duplex multimode 50/125µm, 2m	BMTDB-AX0002
MTRJ-SC Patchcord duplex multimode 50/125µm, 5m	BMTDB-AX0005

Copper Components

Description	Ref.-No

CJ - Copper Jacks

Volition™ RJ45 K6 Jacks

Volition™ RJ45 K6 Jack, Cat 6, UTP, white	VOL-OCK6-U
Volition™ RJ45 K6 Jack, Cat 6, UTP, blue	VOL-OCK6-U-BL
Volition™ RJ45 K6 Jack, Cat 6, UTP, green	VOL-OCK6-U-G
Volition™ RJ45 K6 Jack, Cat 6, UTP, red	VOL-OCK6-U-R
Volition™ RJ45 K6 Jack, Cat 6, UTP, yellow	VOL-OCK6-U-Y
Volition™ RJ45 K6 Jack, Cat 6, UTP, black	VOL-OCK6-U-BK
Volition™ RJ45 K6 Jack, Cat 6, UTP, orange	VOL-OCK6-U-O
Volition™ RJ45 K6 Jack, Cat 6, UTP, almond	VOL-OCK6-U-AL
Volition™ RJ45 K6 Jack, Cat 6, FTP, white	VOL-OCK6-F
Volition™ RJ45 K6 Jack, Cat 6, STP, white and metallic shield	VOL-OCK6-S

Volition™ RJ45 K5e Jacks

Volition™ RJ45 K5e Jack, Cat 5e, UTP, white	VOL-OCK5E-U
Volition™ RJ45 K5e Jack, Cat 5e, FTP, white	VOL-OCK5E-F
Volition™ RJ45 K5e Jack, Cat 5e, STP, white and metallic shield	VOL-OCK5E-S

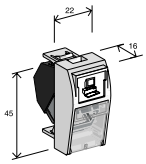
Volition™ RJ45 Jacks, Giga

Volition™ RJ45 Giga Jack, Cat 5e , UTP, light grey	P28770AB
Volition™ RJ45 Giga Jack, Cat 5e, FTP, light grey	P28771AB
Volition™ RJ45 Giga Jack, Cat 5e, STP, light grey and metallic shield	P28772AB

CS - Copper Sockets

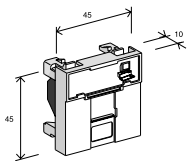
Volition™ RJ45 Sockets, Giga

Angled Front Face 30° downward



Volition™ RJ45 Giga Jack, 8 pin, 22.5 x 45mm, Cat 5e, UTP	P28750AB
Volition™ RJ45 Giga Jack, 9 pin, 22.5 x 45mm, Cat 5e, FTP	P28751AB
Volition™ RJ45 Giga Jack, 22.5 x 45mm, Cat 5e, STP	P28752AB

Vertical Front Face



Volition™ RJ45 Giga Jack, 8 pin, 22.5 x 45mm, Cat 5e, UTP	P28753AB
Volition™ RJ45 Giga Jack, 8 pin, 45 x 45mm, Cat 5e, UTP	P28756AB
Volition™ RJ45 Giga Jack, 8 pin, 25 x 50mm, Cat 5e, UTP	P28759AB
Volition™ RJ45 Giga Jack, 8 pin, 50 x 50mm, Cat 5e, UTP	P28762AB
Volition™ RJ45 Giga Jack, 9 pin, 22.5 x 45mm, Cat 5e, FTP	P28754AB
Volition™ RJ45 Giga Jack, 9 pin, 45 x 45mm, Cat 5e, FTP	P28757AB
Volition™ RJ45 Giga Jack, 9 pin, 25 x 50mm, Cat 5e, FTP	P28760AB
Volition™ RJ45 Giga Jack, 9 pin, 50 x 50mm, Cat 5e, FTP	P28763AB
Volition™ RJ45 Giga Jack, 22.5 x 45mm, Cat 5e, STP	P28755AB
Volition™ RJ45 Giga Jack, 45 x 45mm, Cat 5e, STP	P28758AB
Volition™ RJ45 Giga Jack, 25 x 50mm, Cat 5e, STP	P28761AB
Volition™ RJ45 Giga Jack, 50 x 50mm, Cat 5e, STP	P28764AB

Copper Components

Description	Ref.-No
Volition™ RJ45 Sockets, Qmax	
Volition™ Flush mounted Socket, 2 ports, Qmax III, RAL1013	60-516-07000
Volition™ Flush mounted Socket, 2 ports, Qmax III, RAL9010	60-516-07025
Volition™ Surface mounted Socket, 2 ports, Qmax III, RAL1013	60-016-07000
Volition™ Surface mounted Socket, 2 ports, Qmax III, RAL9010	60-016-07025
Volition™ Flush mounted Single Shielded Socket, 2 ports, Qmax III, RAL1013	60-516-08000
Volition™ Flush mounted Single Shielded Socket, 2 ports, Qmax III, RAL9010	60-516-08025
Volition™ Surface mounted Single Shielded Socket, 2 ports, Qmax III, RAL1013	60-016-08000
Volition™ Surface mounted Single Shielded Socket, 2 ports, Qmax III, RAL9010	60-016-08025
Volition™ RJ45 Sockets, Keystone	
Flush mounted	
Volition™ Flush mounted Socket equipped with 2 x RJ45 K6 Jacks, central fixing, keystone, beige	VOL-SGFCB-W2K
Volition™ Flush mounted Socket equipped with 2 x RJ45 K6 Jacks, central fixing, keystone, white	VOL-SGFCW-W2K
Volition™ Flush mounted Socket equipped with 2 x RJ45 K6 Jacks, keystone, beige	VOL-SGFB-W2K
Volition™ Flush mounted Socket equipped with 2 x RJ45 K6 Jacks, keystone, white	VOL-SGFW-W2K
Volition™ Flush mounted Socket equipped with 1 x RJ45 K6 Jack, central fixing, keystone, beige	VOL-SGFCB-W1K
Volition™ Flush mounted Socket equipped with 1 x RJ45 K6 Jack, central fixing, keystone, white	VOL-SGFCW-W1K
Volition™ Flush mounted Socket equipped with 1 x RJ45 K6 Jacks, keystone, beige	VOL-SGFB-W1K
Volition™ Flush mounted Socket equipped with 1 x RJ45 K6 Jacks, keystone, white	VOL-SGFW-W1K
Surface mounted	
Volition™ Surface mounted Socket equipped with 2 x RJ45 K6 Jacks, keystone, beige	VOL-SGSB-W2K
Volition™ Surface mounted Socket equipped with 2 x RJ45 K6 Jacks, keystone, white	VOL-SGSW-W2K
Volition™ Surface mounted Socket equipped with 1 x RJ45 K6 Jack, keystone, beige	VOL-SGSB-W1K
Volition™ Surface mounted Socket equipped with 1 x RJ45 K6 Jack, keystone, white	VOL-SGSW-W1K

CM - Copper modules

Quante™ SID™-C Modules

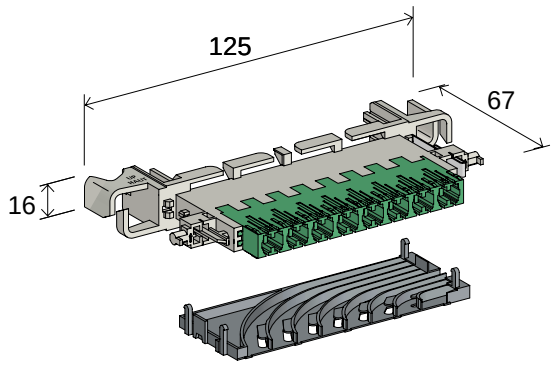
SID-C Disconnection Module 10 pairs	79103-534 00
SID-CD Disconnection Module for 10 pairs	79103-538 00
SID-C Disconnection Module 8 pairs	79103-540 00
SID-CD Disconnection Module for 8 pairs	79103-541 00
SID-C Connection Module for 8 pair	79101-561 00
SID-C Connection Module for 10 pair	79101-553 00
SID-CT Connection Module for 8 pair	79101-588 00
SID-CT Connection Module for 10 pair	79101-589 00
SID-CT Disconnection Module for 8 pair	79103-564 00
SID-CT Disconnection Module for 10 pair	79103-557 00

Quante™ STG 2000 Modules

STG2 C2 8 Disconnection Module marked from 1 to 8 on jumper side, white	C252800A
STG2 C2 10 Disconnection Module marked from 1 to 10 on jumper side, white	C252818A
STG2 U2 8 Con. Mod. from 1 to 8 on jump side, light grey w mutlipair prot. facility	C252807A
STG2 U2 10 Con. Mod. from 1 to 10 on jump side, light grey w mutlipair prot. facility	C252825A
STG2 C2 8 Disc. Mod. from 1 to 8 on jump side, light grey w mutlipair prot. facility	C252801A
STG2 C2 10 Disc. Mod. from 1 to 10 on jump side, light grey w mutlipair prot. facility	C252819A
STG2 C2 8 Disc. Mod. from 1 to 8 on jump side, light grey w singlepair prot. facility	C252802A
STG2 C2 10 Disc. Mod. from 1 to 10 on jump side, light grey w singlepair prot. facility	C252820A

Copper Components

Description	Ref.-No
Quante™ RCP Modules	
Unshielded	P45920DA
RCP unshielded 8 pr disconnection blue	P45840DA
RCP unshielded 8 pr disconnection yellow	P45839DA
RCP unshielded 8 pr disconnection green	P45809DA
RCP unshielded 8 pr disconnection red	P45734DA
RCP unshielded 8 pr disconnection ivory	P45920CE
RCP unshielded side entry 8 pr disconnection blue	P45840CE
RCP unshielded side entry 8 pr disconnection yellow	P45839CE
RCP unshielded side entry 8 pr disconnection green	P45809CE
RCP unshielded side entry 8 pr disconnection red	P45734CE
RCP unshielded side entry 8 pr disconnection ivory	
Shielded	P45920DH
RCP shielded 8 pr disconnection blue	P45840DH
RCP shielded 8 pr disconnection yellow	P45839DH
RCP shielded 8 pr disconnection green	P45809DH
RCP shielded 8 pr disconnection red	P45734DH
RCP shielded 8 pr disconnection ivory	



CFP - Copper Face Plates

Volition™ RJ45 Faceplates, Keystone	
Volition™ Faceplates, keystone	
Volition™ 22.5 x 45 Faceplate, 1 port, keystone, white	VOL-FP2M-F1K
Volition™ 45 x 45 Faceplate, 1 port, keystone, white	VOL-FP4M-F1K
Volition™ 45 x 45 Faceplate, 2 ports, keystone, white	VOL-FP4M-F2K
Volition™ Single Gang Faceplates, keystone	
Volition™ Single Gang Faceplate, 2 ports, keystone, bright white	VOL-0712B
Volition™ Single Gang Faceplate, 2 ports, keystone, office white	VOL-0712
Volition™ Single Gang Faceplate, 4 ports, keystone, office white	VOL-0714
Volition™ Single Gang Faceplate, 4 ports, keystone, bright white	VOL-0714B
Volition™ U.K. Single Gang Faceplates, keystone	
Volition™ U.K. Single Gang Faceplate, 1 port, keystone, white	VOL-FPUK-1K
Volition™ U.K. Single Gang Faceplate, 2 ports, keystone, white	VOL-FPUK-2K
Volition™ German Faceplates, keystone	
Volition™ German Flush mounted Faceplate, 2 ports, keystone, beige	VOL-SGFB-F2K
Volition™ German Flush mounted Faceplate, 2 ports, keystone, white	VOL-SGFW-F2K
Volition™ German Surface mounted Faceplate, 2 ports, keystone, beige	VOL-SGSB-F2K
Volition™ German Surface mounted Faceplate, 2 ports, keystone, white	VOL-SGSW-F2K

Volition™ RJ45 Faceplates, Giga	
Volition™ German Faceplates, Giga	
Volition™ German Flush mounted 50 x 50 Faceplate, 2 ports, Giga, RAL1013	60-516-04000
Volition™ German Flush mounted 50 x 50 Faceplate, 2 ports, Giga, RAL9010	60-516-04025
Volition™ German Surface mounted 50 x 50 Faceplate, 2 ports, Giga, RAL1013	60-016-04000
Volition™ German Surface mounted 50 x 50 Faceplate, 2 ports, Giga, RAL9010	60-016-04025
Volition™ American Faceplate, Giga	
Volition™ American Faceplate for 2 x RJ45 Giga Jacks	VOL-F5V2R1COW

Copper Components

Description	Ref.-No

CPP - Copper Patch Panels

Volition™ RJ45 K Patch Panels

Classic Serie

Volition™ Classic Patch Panel, 16 ports, keystone, brushed alu	VOL-PPCA-F16K
Volition™ Classic Patch Panel, 24 ports, keystone, brushed alu	VOL-PPCA-F24K
Volition™ Classic Patch Panel, 32 ports, keystone, brushed alu	VOL-PPCA-F32K
Volition™ Classic Patch Panel, 48 ports, keystone, brushed alu	VOL-PPCA-F48K
Volition™ Classic Patch Panel, 16 ports, keystone, black alu	VOL-PPCB-F16K
Volition™ Classic Patch Panel, 24 ports, keystone, black alu	VOL-PPCB-F24K
Volition™ Classic Patch Panel, 32 ports, keystone, black alu	VOL-PPCB-F32K
Volition™ Classic Patch Panel, 48 ports, keystone, black alu	VOL-PPCB-F48K

Economic Serie

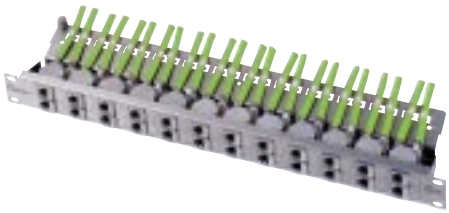
Volition™ Economic Patch Panel, double plate, 16 ports, UTP, keystone, black alu	VOL-PPUD-F16K
Volition™ Economic Patch Panel, double plate, 24 ports, UTP, keystone, black alu	VOL-PPUD-F24K

German Serie

Volition™ German Patch Panel, 16 ports, keystone, brushed alu	VOL -PPGA-W16K
Volition™ German Patch Panel, 24 ports, keystone, brushed alu	VOL-PPGA-W24K
Volition™ German Patch Panel, with cover, 16 ports, keystone, brushed alu	VOL-PGCA-W16K
Volition™ German Patch Panel, with cover, 24 ports, keystone, brushed alu	VOL-PGCA-W24K

Volition™ RJ45 Patch Panels Giga and Qmax

Giga Serie



Volition™ 19”x 1U x 70mm Patch Panel, 16 ports, Giga, brushed alu	P33255AA
Volition™ 19”x 1U x 70mm Patch Panel, 16 ports, Giga, black alu	P33355AA
Volition™ 19”x 1U x 100mm Patch Panel, 24 ports, Giga, brushed alu	P33275AA
Volition™ 19”x 1U x 100mm Patch Panel, 24 ports, Giga, black alu	P33375AA
Volition™ 19”x 2U x 100mm Patch Panel, 32 ports, Giga, brushed alu	P33265AA
Volition™ 19”x 2U x 100 mm Patch Panel, 32 ports, Giga, black alu	P33365AA
Volition™ 19”x 2U x 130mm Patch Panel, 48 ports, Giga, brushed alu	P33285AA
Volition™ 19”x 2U x 130mm Patch Panel, 48 ports, Giga, black alu	P33385AA
Volition™ 19” x 1U Patch Panel, 16 ports, Giga, brushed alu	43018-653 30
Volition™ 19” x 1U Patch Panel, 24 ports, Giga, brushed alu	43018-654 30

Qmax Serie

Volition™ Patch Panel, 16 ports, Qmax, single shield	43018-677 30
Volition™ Patch Panel, 24 ports, Qmax, single shield	43018-678 30
Volition™ Patch Panel, 16 ports, Qmax	43018-679 30
Volition™ Patch Panel, 24 ports, Qmax	43018-684 30

Cat5e IDC Patch Panels

Volition™ 19” x 1U x 120mm IDC Patch Panel, 16 ports, UTP, beige	43018-630 30
Volition™ 19” x 1U x 120mm IDC Patch Panel, 24 ports, UTP, beige	43018-628 30
Volition™ 19” x 1U x 170mm IDC Patch Panel, 16 ports, Shielded, beige	43018-593 33
Volition™ 19” x 1U x 170mm IDC Patch Panel, 24 ports, Shielded, beige	43018-592 33

Accessories For K6/K5e panels only

Volition™ Blanking Plug, keystone, black	0300BK
Volition™ Blanking Plug, keystone, white	O300
Volition™ Port Identification Bezel, keystone, Red	VOL-PCC-R
Volition™ Port Identification Bezel, keystone, Yellow	VOL-PCC-Y
Volition™ Port Identification Bezel, keystone, Green	VOL-PCC-G
Volition™ Port Identification Bezel, keystone, Blue	VOL-PCC-B

Copper Components

Description	Ref.-No

CHC - Copper Horizontal Cable

Volition™ Cat 5e Cable

UTP Cables	
Volition™ Cat 5e Cable, UTP, PVC, 4 pairs, 305m Box	VOL-5EUP4-305
Volition™ Cat 5e Cable, UTP, PVC, 4 pairs, 500m Drum	VOL-5EUP4-500
Volition™ Cat 5e Cable, UTP, PVC, 4 pairs, 1000m Drum	VOL-5EUP4-1000
Volition™ Cat 5e Cable, UTP, PVC, 2 x 4 pairs, 500m Drum	VOL-5EUP8-500
Volition™ Cat 5e Cable, UTP, PVC, 2 x 4 pairs, 1000m Drum	VOL-5EUP8-1000
Volition™ Cat 5e Cable, UTP, LSOH, 4 pairs, 305m Box	VOL-5EUL4-305
Volition™ Cat 5e Cable, UTP, LSOH, 4 pairs, 1000m Drum	VOL-5EUL4-1000
Volition™ Cat 5e Cable, UTP, LSOH, 2 x 4 pairs, 1000m Drum	VOL-5EUL8-1000
FTP Cables	
Volition™ Cat 5e Cable, FTP, PVC, 4 pairs, 305m Box	VOL-5EFP4-305
Volition™ Cat 5e Cable, FTP, PVC, 4 pairs, 1000m Drum	VOL-5EFP4-1000
Volition™ Cat 5e Cable, FTP, LSOH, 4 pairs, 305m Box	VOL-5EFL4-305
Volition™ Cat 5e Cable, FTP, LSOH, 4 pairs, 500m Drum	VOL-5EFL4-500
Volition™ Cat 5e Cable, FTP, LSOH, 4 pairs, 1000m Drum	VOL-5EFL4-1000
Volition™ Cat 5e Cable, FTP, LSOH, 2 x 4 pairs, 500m Drum	VOL-5EFL8-500
Volition™ Cat 5e Cable, FTP, LSOH, 2 x 4 pairs, 1000m Drum	VOL-5EFL8-1000

Volition™ Cat 6 Cable

UTP Cables	
Volition™ Cat 6 Cable, UTP, PVC, 4 pairs, 305m Box	VOL-6UP4-305
Volition™ Cat 6 Cable, UTP, PVC, 4 pairs, 500m Drum	VOL-6UP4-500
Volition™ Cat 6 Cable, UTP, PVC, 4 pairs, 1000m Drum	VOL-6UP4-1000
Volition™ Cat 6 Cable, UTP, PVC, 2 x 4 pairs, 500m Drum	VOL-6UP8-500
Volition™ Cat 6 Cable, UTP, PVC, 2 x 4 pairs, 1000m Drum	VOL-6UP8-1000
Volition™ Cat 6 Cable, UTP, LSOH, 4 pairs, 305m Box	VOL-6UL4-305
Volition™ Cat 6 Cable, UTP, LSOH, 4 pairs, 500m Drum	VOL-6UL4-500
Volition™ Cat 6 Cable, UTP, LSOH, 4 pairs, 1000m Drum	VOL-6UL4-1000
Volition™ Cat 6 Cable, UTP, LSOH, 2 x 4 pairs, 500m Drum	VOL-6UL8-500
Volition™ Cat 6 Cable, UTP, LSOH, 2 x 4 pairs, 1000m Drum	VOL-6UL8-1000
FTP Cables	
Volition™ Cat 6 Cable, FTP, PVC, 4 pairs, 1000m Drum	VOL-6FP4-1000
Volition™ Cat 6 Cable, FTP, LSOH, 4 pairs, 500m Drum	VOL-6FL4-500
Volition™ Cat 6 Cable, FTP, LSOH, 4 pairs,1000m Drum	VOL-6FL4-1000
Volition™ Cat 6 Cable, FTP, LSOH, 2 x 4 pairs, 500m Drum	VOL-6FL8-500
Volition™ Cat 6 Cable, FTP, LSOH, 2 x 4 pairs, 1000m Drum	VOL-6FL8-1000
FFTP Cables	
Volition™ Cat 6 Cable, FFTP, LSOH, 4 pairs, 500m Drum	VOL-6FFL4-500
Volition™ Cat 6 Cable, FFTP, LSOH, 4 pairs,1000m Drum	VOL-6FFL4-1000
Volition™ Cat 6 Cable, FFTP, LSOH, 2 x 4 pairs, 500m Drum	VOL-6FFL8-500
Volition™ Cat 6 Cable, FFTP, LSOH, 2 x 4 pairs, 1000m Drum	VOL-6FFL8-1000

Volition™ Cat 7 Cable

SFTP Cables	
Volition™ Cat 7 Cable, SFTP, LSOH, 4 pairs, 500m Drum	VOL-7SSL4-500
Volition™ Cat 7 Cable, SFTP, LSOH, 4 pairs,1000m Drum	VOL-7SSL4-1000
Volition™ Cat 7 Cable, SFTP, LSOH, 2 x 4 pairs, 500m Drum	VOL-7SSL8-500
Volition™ Cat 7 Cable, SFTP, LSOH, 2 x 4 pairs, 1000m Drum	VOL-7SSL8-1000

Copper Components

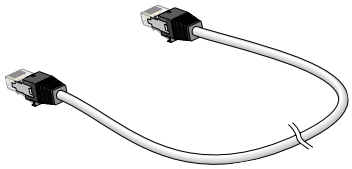
Description	Ref.-No

CBBC - Copper Backbone Cable

Volition™ Cat 5 Backbone Cable, FTP, LSOH, 32 pairs, 1m	VOL-5EFL32-M
Volition™ Cat 5 Backbone Cable, UTP, PVC, 25 pairs, 1m	VOL-5UP25-M
Volition™ Cat 5 Backbone Cable, UTP, PVC, 50 pairs, 1m	VOL-5UP50-M

CPC - Copper Patch Cables

Volition™ Cat 5e RJ45 to RJ45 Patch Cable



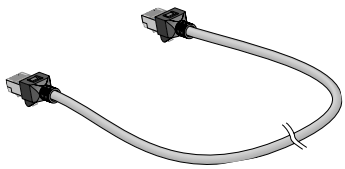
UTP Patch Cables	
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, PVC, 1m	VOL-5EUP-L1
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, PVC, 2m	VOL-5EUP-L2
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, PVC, 3m	VOL-5EUP-L3
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, PVC, 4m	VOL-5EUP-L4
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, PVC, 5m	VOL-5EUP-L5
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 1m	VOL-5EUL-L1
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 2m	VOL-5EUL-L2
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 3m	VOL-5EUL-L3
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 4m	VOL-5EUL-L4
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 5m	VOL-5EUL-L5
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 1m, red	VOL-5EUL-L1-R
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 2m, red	VOL-5EUL-L2-R
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 3m, red	VOL-5EUL-L3-R
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 5m, red	VOL-5EUL-L5-R
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 1m, yellow	VOL-5EUL-L1-Y
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 2m, yellow	VOL-5EUL-L2-Y
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 3m, yellow	VOL-5EUL-L3-Y
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 5m, yellow	VOL-5EUL-L5-Y
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 1m, green	VOL-5EUL-L1-GR
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 2m, green	VOL-5EUL-L2-GR
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 3m, green	VOL-5EUL-L3-GR
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 5m, green	VOL-5EUL-L5-GR
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 1m, blue	VOL-5EUL-L1-B
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 2m, blue	VOL-5EUL-L2-B
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 3m, blue	VOL-5EUL-L3-B
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 5m, blue	VOL-5EUL-L5-B
FTP Patch Cables	
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 1m	VOL-5EFL-L1
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 2m	VOL-5EFL-L2
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 3m	VOL-5EFL-L3
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 4m	VOL-5EFL-L4
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 5m	VOL-5EFL-L5
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 1m, red	VOL-5EFL-L1-R
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 2m, red	VOL-5EFL-L2-R
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 3m, red	VOL-5EFL-L3-R
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 5m, red	VOL-5EFL-L5-R
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 1m, yellow	VOL-5EFL-L1-Y
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 2m, yellow	VOL-5EFL-L2-Y
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 3m, yellow	VOL-5EFL-L3-Y

Copper Components

Description	Ref.-No
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 5m, yellow	VOL-5EFL-L5-Y
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 1m, green	VOL-5EFL-L1-GR
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 2m, green	VOL-5EFL-L2-GR
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 3m, green	VOL-5EFL-L3-GR
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 5m, green	VOL-5EFL-L5-GR
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 1m, blue	VOL-5EFL-L1-B
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 2m, blue	VOL-5EFL-L2-B
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 3m, blue	VOL-5EFL-L3-B
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 5m, blue	VOL-5EFL-L5-B
SFTP Patch Cables	
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, SFTP, LSOH, 1m	VOL-5ESFL-L1
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, SFTP, LSOH, 2m	VOL-5ESFL-L2
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, SFTP, LSOH, 3m	VOL-5ESFL-L3
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, SFTP, LSOH, 4m	VOL-5ESFL-L4
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, SFTP, LSOH, 5m	VOL-5ESFL-L5

Volition™ Cat 6 RJ45 to RJ45 Patch Cable

UTP Patch Cables



Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 1m	VOL-6UL-L1
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 2m	VOL-6UL-L2
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 3m	VOL-6UL-L3
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 4m	VOL-6UL-L4
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 5m	VOL-6UL-L5
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 1m, red	VOL-6UL-L1-R
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 2m, red	VOL-6UL-L2-R
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 3m, red	VOL-6UL-L3-R
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 5m, red	VOL-6UL-L5-R
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 1m, yellow	VOL-6UL-L1-Y
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 2m, yellow	VOL-6UL-L2-Y
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 3m, yellow	VOL-6UL-L3-Y
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 5m, yellow	VOL-6UL-L5-Y
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 1m, green	VOL-6UL-L1-GR
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 2m, green	VOL-6UL-L2-GR
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 3m, green	VOL-6UL-L3-GR
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 5m, green	VOL-6UL-L5-GR
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 1m, blue	VOL-6UL-L1-B
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 2m, blue	VOL-6UL-L2-B
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 3m, blue	VOL-6UL-L3-B
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 5m, blue	VOL-6UL-L5-B
SSTP Patch Cables	
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 1m	VOL-6SSL-L1
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 2m	VOL-6SSL-L2
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 3m	VOL-6SSL-L3
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 4m	VOL-6SSL-L4
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 5m	VOL-6SSL-L5
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 1m, red	VOL-6SSL-L1-R
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 2m, red	VOL-6SSL-L2-R
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 3m, red	VOL-6SSL-L3-R
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 5m, red	VOL-6SSL-L5-R
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 1m, yellow	VOL-6SSL-L1-Y

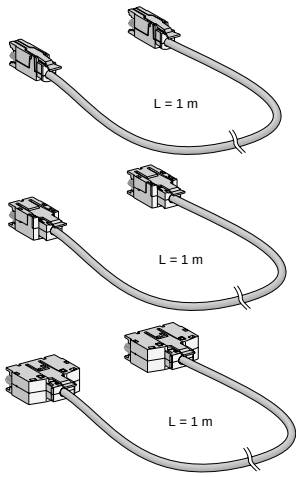
Copper Components

Description	Ref.-No
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 2m, yellow	VOL-6SSL-L2-Y
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 3m, yellow	VOL-6SSL-L3-Y
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 5m, yellow	VOL-6SSL-L5-Y
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 1m, green	VOL-6SSL-L1-GR
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 2m, green	VOL-6SSL-L2-GR
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 3m, green	VOL-6SSL-L3-GR
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 5m, green	VOL-6SSL-L5-GR
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 1m, blue	VOL-6SSL-L1-B
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 2m, blue	VOL-6SSL-L2-B
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 3m, blue	VOL-6SSL-L3-B
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 5m, blue	VOL-6SSL-L5-B

CTC - Copper Telephone Cords

Quante™ CBE - CBE UTP Patch Cords

LSOH Sheath - 1 Pair



Grey / green polycarbonate shell, UTP cable, Straight cabling, 0.5m	P39421D5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 1.0m	P39421A5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 2.0m	P39431A5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 3.0m	P39431J5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 4.0m	P39431L5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 5.0m	P39431M5
LSOH Sheath - 2 Pair	
Grey / green polycarbonate shell, UTP cable, Straight cabling, 0.5m	P39412A5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 1.0m	P39422A5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 2.0m	P39432A5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 3.0m	P39442A5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 4.0m	P39442L5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 5.0m	P39442M5
LSOH Sheath - 4 Pair	
Grey / green polycarbonate shell, UTP cable, Straight cabling, 0.5m	P39424D5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 1.0m	P39424A5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 2.0m	P39434A5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 3.0m	P39444A5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 4.0m	P39444L5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 5.0m	P39444M5

Quante™ CBE - CBE UTP Patch Cords

PVC Sheath - 1 Pair	
Grey / green polycarbonate shell, UTP cable, Straight cabling, 1.0m	P29811A5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 2.0m	P29812A5
PVC Sheath - 2 Pair	
Grey / green polycarbonate shell, UTP cable, Straight cabling, 0.5m	P39813A5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 1.0m	P39814A5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 2.0m	P39815A5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 3.0m	P39819A5
PVC Sheath - 4 Pair	
Grey / green polycarbonate shell, UTP cable, Straight cabling, 1.0m	P39816A5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 2.0m	P39817A5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 3.0m	P39818A5

Description	Ref.-No
PVC Sheath - 7 - 8 cabling - 1 Pair	
Grey / green polycarbonate shell, UTP cable, Straight cabling, 1.0m	P39827F5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 2.0m	P39827A5
PVC Sheath - 4 - 5 cabling - 1 Pair	
Grey / green polycarbonate shell, UTP cable, Straight cabling, 1.0m	P39829F5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 2.0m	P39829A5
LSOH Sheath - 568A cabling - 2 Pair	
Grey / green polycarbonate shell, UTP cable, Straight cabling, 0.5m	P39362D5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 1.0m	P39362F5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 2.0m	P39362A5
LSOH Sheath - 568A cabling - 4 Pair	
Grey / green polycarbonate shell, UTP cable, Straight cabling, 2.0m	P39364A5
PVC Sheath - 568A cabling - 2 Pair	
Grey / green polycarbonate shell, UTP cable, Straight cabling, 0.5m	P39824D5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 1.0m	P39824A5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 2.0m	P39825A5
PVC Sheath - 568A cabling - 4 Pair	
Grey / green polycarbonate shell, UTP cable, Straight cabling, 0.5m	P39826D5
Grey / green polycarbonate shell, UTP cable, Straight cabling, 2.0m	P39826A5

Quante™ CBE - CBE FTP Patch Cords

PVC Sheath - 1 Pair	
Grey / green polycarbonate shells, FTP cable, drain connected to earth Straight cabling, 1.0m	P29361A5
Grey / green polycarbonate shells, FTP cable, drain connected to earth Straight cabling, 2.0m	P29362A5
PVC Sheath - 2 Pair	
Grey / green polycarbonate shells, FTP cable, drain connected to earth Straight cabling, 1.5m	P39472A5
Grey / green polycarbonate shells, FTP cable, drain connected to earth Straight cabling, 2.0m	P39482A5
Grey / green polycarbonate shells, FTP cable, drain connected to earth Straight cabling, 3.0m	P39492A5
PVC Sheath - 4 Pair	
Grey / green polycarbonate shells, FTP cable, drain connected to earth Straight cabling, 1.0m	P39474A5
Grey / green polycarbonate shells, FTP cable, drain connected to earth Straight cabling, 2.0m	P39484A5
Grey / green polycarbonate shells, FTP cable, drain connected to earth Straight cabling, 3.0m	P39494A5

Quante™ CBE - RJ45 FTP Patch Cords (drain connected to earth cabling EIA/TIA 568A)

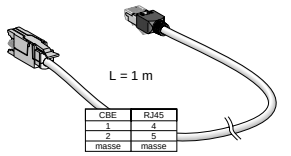
PVC Sheath - 568A cabling - 2 Pair	
Grey / green polycarbonate shells and 9-pin RJ45, FTP cable, 0.5m	P39370D5
Grey / green polycarbonate shells and 9-pin RJ45, FTP cable, 2.0m	P39370A5
Grey / green polycarbonate shells and 9-pin RJ45, FTP cable, 3.0m	P39372A5
PVC Sheath - 568A cabling - 4 Pair	
Grey / green polycarbonate shells and 9-pin RJ45, FTP cable, 2.0m	P39374D5
Grey / green polycarbonate shells and 9-pin RJ45, FTP cable, 2.0m	P39374A5
Grey / green polycarbonate shells and 9-pin RJ45, FTP cable, 3.0m	P39376A5

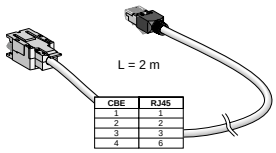
Quante™ CBE - CBE SFTP Patch Cords

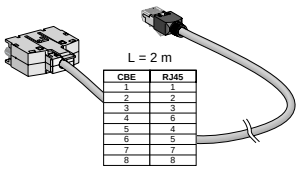
LSOH Sheath - 1 Pair	
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 0.5m	P39125D5
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 1.0m	P39125A5
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 2.0m	P39135A5
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 3.0m	P39135J5
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 4.0m	P39135L5
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 5.0m	P39135M5

Copper Components

Description	Ref.-No
LSOH Sheath - 2 Pair	
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 0.5m	P39116A5
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 1.0m	P39126A5
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 2.0m	P39136A5
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 3.0m	P39146A5
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 4.0m	P39146L5
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 5.0m	P39146M5
LSOH Sheath - 4 Pair	
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 0.5m	P39128D5
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 1.0m	P39128A5
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 2.0m	P39138A5
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 3.0m	P39148A5
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 4.0m	P39148L5
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 5.0m	P39148M5
PVC Sheath- 1 Pair	
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 0.5m	P39801A5
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 1.0m	P39802A5
PVC Sheath- 2 Pair	
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 0.5m	P39803A5
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 1.0m	P39804A5
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 2.0m	P39805A5
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 3.0m	P39809A5
PVC Sheath- 4 Pair	
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 1.0m	P39806A5
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 2.0m	P39807A5
Metal Shell, SFTP cable, 360° connection to cable screen, Straight cabling, 3.0m	P39808A5







Quante™ CBE - RJ45 SFTP Patch Cords

LSOH Sheath- 7 - 8 cabling - 1 Pair	
Metal Shell, SFTP cable, 360° connection to cable screen, 1.0m	P39378F5
Metal Shell, SFTP cable, 360° connection to cable screen, 2.0m	P39378A5
LSOH Sheath- 4 - 5 cabling - 1 Pair	
Metal Shell, SFTP cable, 360° connection to cable screen, 1.0m	P39380F5
Metal Shell, SFTP cable, 360° connection to cable screen, 2.0m	P39380A5
LSOH Sheath- 568A cabling - 2 Pair	
Metal Shell, SFTP cable, 360° connection to cable screen, 2.0m	P39366A5
LSOH Sheath- 568A cabling - 4 Pair	
Metal Shell, SFTP cable, 360° connection to cable screen, 2.0m	P39368A5
PVC Sheath- 568A cabling - 2 Pair	
Metal Shell, SFTP cable, 360° connection to cable screen, 2.0m	P39821A5
Metal Shell, SFTP cable, 360° connection to cable screen, 2.0m	P39822A5
LSOH Sheath- 568A cabling - 4 Pair	
Metal Shell, SFTP cable, 360° connection to cable screen, 2.0m	P39823A5

Quante™ CBE - CBE Patch Cords - Cross Cabled

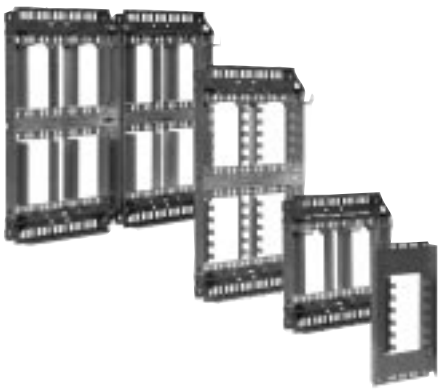
PVC Sheath - 2 Pair	
Orange / grey polycarbonate shell, UTP cable, 1.0m	P39835A5
Orange / grey polycarbonate shell, UTP cable, 2.0m	P39836A5
PVC Sheath - 4 Pair	
Orange / grey polycarbonate shell, UTP cable, 1.0m	P39837A5
Orange / grey polycarbonate shell, UTP cable, 2.0m	P39838A5

Copper Components

Description	Ref.-No
Quante™ CBE Patch Cords with circuit	
PVC Sheath - 1 Pair	
UTP cable, 1.0m	P29320A5
PVC Sheath - 2 Pair	
UTP cable, 1.0m	P29332F5
UTP cable, 2.0m	P29332A5

CDB - Copper Distribution Boxes

3M™ VKA Distribution Boxes for 60-640 pairs	
VKA 2 / DIN-SID-C strips of 10 pairs (SID-C)	52-300-00025
VKA 4 / DIN-SID-C 6 strips of 20 pairs (SID-CD) or 16 strips of 10 pairs (SID-C)	52-300-00100
VKA 8 / DIN-SID-C 12 strips of 20 pairs (SID-C) or 32 strips of 10 pairs (SID-C)	52-300-00200
VKA 12 / DIN-SID-C 24 strips of 20 pairs (SID-CD) or 64 strips of 10 pairs (SID-C)	52-300-00300



Backmount Frames	
SID-C Backmount Frame 100 pairs for 17.5mm	79148-518 00
SID-C Backmount Frame 200 pairs for 17.5mm	79148-519 00
SID-C Backmount Frame 100 pairs for 22.5mm	79148-523 00
SID-C Backmount Frame 200 pairs for 22.5mm	79148-524 00

Miscellaneous

Description	Ref.-No

CK - Cleaning Kit

VF-45™ Maintenance Cleaning Kit	VOL-0570
VF-45™ Cleaning Fluid, 16 oz. bottle	VOL-0570A
VF-45™ Mechanical Plug Cleaner	VOL-0570B
Cleaning Tissues for Plug Cleaner	VOL-0570C
VF-45™ Maintenance Cleaning Kit for Keyed Sockets and Plugs	VOL-0573

TKA - Tools, Kits and Accessories

Copper

Extraction tool	79397-515 00
SID™ Termination tool	79397-512 00
Impact tool for IDC system STG, QSA and System 71	C234037A

Fibre

VF-45™ Quick install Termination Kit	VOL-0562
ST Reference cable test 50um	GEN-REF 050-ST
SC Reference cable test 50um	GEN-REF 050-SC
ST Reference cable test 62,5um	GEN-REF 062-ST
SC Reference cable test 62,5um	GEN-REF 062-SC
Fibrlok™ Assembly tool	2501
Fibrlok™ splice preparation kit with T&B Cleaving tool	2530
Fibrlok™ splice preparation kit without T&B Cleaving tool	2531
Multi-fibre optical splice preparation kit (220V)	2601
Multi-fibre ribbon construction tool kit	2670
Universal Hot Melt Termination Kit for ST, SC and FC (230V)	6351
Universal Crimplok™ Termination Kit for ST and SC	6955
230V Europe w/Power Supply	6851E

MC - Media Converters

Workstation Media Converters

10 Base T-10 Base FL Media Converter (PC Version) EU	VOL-0201- EU
10 Base T-10 Base FL Media Converter (PC Version) UK	VOL-0201- UK
10 Base T-10 Base FL Media Converter (PC Version) w/o Power Supply	VOL-0201-X
Power Supply with UK Net adapter	VOL-0201-PS-EU
Power Supply with EU Net adapter	VOL-0201-PS-UK
100 Base-FX, 1300nm, EU	VOL-M100FX-U
100 Base-FX, 1300nm, UK	VOL-M100FX-UK
100 Base-FX, 1300nm, W/O Power Supply	VOL-M100FX-X

19" Rack Mount Media Converters

6 Port, 10 Base-T - 10 Base-FL, EU+UK Powercord Kit	VOL-M10FL-06
12 Port, 10 Base-T - 10 Base-FL, EU+UK Powercord Kit	VOL-M10FL-12
24 Port, 10 Base-T - 10 Base-FL, EU+UK Powercord Kit	VOL-0202 KIT
12 Port, 100 Base-FX, 1300nm, EU	VOL-M100FX-12-EUR
12 Port, 100 Base-FX, 1300nm, UK	VOL-M100FX-12-UK
12 Port, 100 Base-FX, 1300nm, Universal Power Kit	VOL-M100FX-12-X

SW - Switches

Switch 8 port 10/100TX RJ45 w/ 100FX VF-45™ Uplink	VOL-1081

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