

3M Telecommunications

Solutions for Networks

Solutions for Enterprise Networks



3M *Innovation*

Dear Customer,

In response to the increased demands made on the cabling infrastructure, the range of Enterprise Network Solutions products includes passive and active products for terminating, connecting and storing copper and fibre optic cables for the transmission of voice and data. The service sector portfolio includes network design, project management and consultancy.

3M Telecommunications offers

"Enterprise Network Solutions"



for high performance copper, fibre, and copper/fibre hybrid networks. The components of 3M's solutions feature innovative and high performance designs that offer strong customer value.

Further information to our extensive products program and our achievements are on our Website: **www.3MTelecommunications.com**

Your 3M Telecommunications Team

Solutions for Enterprise Networks

1

Volition™ Network Solutions

Volition™ Network Solutions offer a structured cabling system in **Copper or Fibre Optic Technology**, depending on your requirement and on the desired architecture. Those cabling solutions include system warranty.

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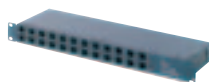
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1.2 Fibre Cabling



1.3 Networking Hardware



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Fibre Interconnect Solutions

Extensive line of products and Solutions for the **Fibre Optic connection technology**.

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2.2 Assembly Systems



2.3 Cable Assemblies



2.4 Subracks



2.5 Distribution Boxes



2.6 Terminal Outlet

2.7 Racks



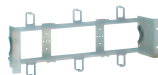
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Copper Interconnect Solutions

An extensive choice of products based on the IDC technology for voice and data applications.

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3.3 Frames and Boxes



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Volition™ Network Solutions

Volition™ Network Solutions include a unique fibre cabling system providing “freedom of choice” in the design and optimisation of the overall network architecture.

They also offer a state of the art voice and data copper cabling system, including a Category 6 system which gives significant channel performance headroom over existing standards helping a broad range of customers migrate to high bandwidth.

A variety of easy to install and innovative connectivity solutions ensure high performance, and reliable systems.

The revolutionary VF-45™ small form factor fibre connector has helped to reduce the complexity of fibre networking, while the 3M™ RJ45 copper products offer simple termination solutions – jacks snap on without tools – with built-in reliability features and component performance exceeding existing standards.

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1.1 Copper Cabling

1.1.1 Volition™ RJ45 K6 Jacks

Description

RJ45 K6 Jack

With its compact size, integral shutter, keystone mounting format and tool less termination, the K6 Jack from 3M ensures a smart and reliable installation. All 8 copper conductors are effortlessly terminated in one simple operation resulting in reliable interconnection in record time. If a wiring mistake is made the K6 Jack may be reused several times.

To ensure appropriate electromagnetic compatibility three jack formats are offered: UTP, FTP (with drain wire), and STP with 360° braid or foil connection. Cable entry can be made from either the top or bottom of the Jack providing flexibility during installation. A wide range of face plates and patch panels is available in the 'K' range which utilise the advantages of the K6 Jack.

Highlights

- Tool less assembly
- Choice of cable insertion orientation either from the top or bottom for enhanced cable bend radius control
- Keystone Mounting
- UTP, FTP, and STP versions available
- Compliant with IEC 60603-7-5/4 Category 6 hardware standards

Type/Order Text

Ref.-No.



Volition™ RJ45 K6 Jack, Cat 6, UTP, PU: 8 pcs/bag, MOQ: 12 bags

Volition™ RJ45 K6 Jack, Cat 6, UTP, white
8 contacts

Volition™ RJ45 K6 Jack, Cat 6, UTP, blue

Volition™ RJ45 K6 Jack, Cat 6, UTP, green

Volition™ RJ45 K6 Jack, Cat 6, UTP, red

Volition™ RJ45 K6 Jack, Cat 6, UTP, yellow

Volition™ RJ45 K6 Jack, Cat 6, UTP, black

Volition™ RJ45 K6 Jack, Cat 6, UTP, orange

Volition™ RJ45 K6 Jack, Cat 6, UTP, almond

Volition™ RJ45 K6 Jack, Cat 6, UTP, white,
Packaging: 500 units (bulk)

VOL-OCK6-U

VOL-OCK6-U-BL

VOL-OCK6-U-G

VOL-OCK6-U-R

VOL-OCK6-U-Y

VOL-OCK6-U-BK

VOL-OCK6-U-O

VOL-OCK6-U-AL

VOL-OCK6-UB



Volition™ RJ45 K6 Jack, Cat 6, FTP, white

8 contacts and a ninth point to ensure the grounding continuity
PU: 8 pcs/bag, MOQ: 12 bags

Volition™ RJ45 K6 Jack, Cat 6, FTP, yellow

Packaging: 500 units (bulk)

VOL-OCK6-F

VOL-OCK6-FB



Volition™ RJ45 K6 Jack, Cat 6, STP, white & metallic shield

8 contacts, metallic nose and tinned bronze cover shielded by reversible metal cover. Supplied with a fixing collar
PU: 8 pcs/bag, MOQ: 12 bags

Volition™ RJ45 K6 Jack, Cat 6, STP, yellow

Packaging: 500 units (bulk)

Volition™ shielded cover for RJ45 Keystone jacks

Packaging: 500 units (bulk)

VOL-OCK6-S

VOL-OCK6-SB

VOL-SCOCK-B



1.1 Copper Cabling

1.1.1 Volition™ RJ45 K5e Jacks

Description

RJ45 K5e Jack

With its compact size, integral shutter, keystone mounting format and tool less termination, the K5e Jack from 3M ensures a smart and reliable installation. All 8 copper conductors are effortlessly terminated in one simple operation resulting in reliable interconnection in record time. If a wiring mistake is made the K6 Jack may be reused several times.

To ensure appropriate electromagnetic compatibility three jack formats are offered: UTP, FTP (with drain wire), and STP with 360° braid or foil connection. Cable entry can be made from either the top or bottom of the Jack providing flexibility during installation. A wide range of face plates and patch panels is available in the 'K' range which utilise the advantages of the K5e Jack.

Highlights

- Tool less assembly
- Choice of cable insertion orientation either from the top or bottom for enhanced cable bend radius control.
- Keystone Mounting
- UTP, FTP, and STP versions available
- Keystone Mounting.
- Compliant with EN50173-1, ISO/IEC 11801 Ed.2 and TIA/EIA 568B.2-1 standards

Type/Order text

Ref.-No.



Volition™ RJ45 K5e Jack, Cat 5e, UTP , PU: 8 pcs/bag, MOQ: 12 bags	
Volition™ RJ45 K5e Jack, Cat 5e, UTP, white 8 contacts	VOL-OCK5E-U
Volition™ RJ45 K5e Jack, Cat 5e, UTP, blue	VOL-OCK5E-U-BL
Volition™ RJ45 K5e Jack, Cat 5e, UTP, green	VOL-OCK5E-U-G
Volition™ RJ45 K5e Jack, Cat 5e, UTP, red	VOL-OCK5E-U-R
Volition™ RJ45 K5e Jack, Cat 5e, UTP, yellow	VOL-OCK5E-U-Y
Volition™ RJ45 K5e Jack, Cat 5e, UTP, black	VOL-OCK5E-U-BK
Volition™ RJ45 K5e Jack, Cat 5e, UTP, orange	VOL-OCK5E-U-O
Volition™ RJ45 K5e Jack, Cat 5e, UTP, almond	VOL-OCK5E-U-AL
Volition™ RJ45 K5e Jack, Cat 5e, UTP, white Packaging: 500 units (bulk)	VOL-OCK5E-UB
Volition™ RJ45 K5e Jack, Cat 5e, UTP, black Packaging: 500 units (bulk)	VOL-OCK5E-UB-BK
Volition™ RJ45 K5e Jack, Cat 5e, UTP, blue Packaging: 500 units (bulk)	VOL-OCK5E-UB-BL
Volition™ RJ45 K5e Jack, Cat 5e, UTP, almond Packaging: 500 units (bulk)	VOL-OCK5E-UB-AL
Volition™ RJ45 K5e Jack, Cat 5e, UTP, orange Packaging: 500 units (bulk)	VOL-OCK5E-UB-O



Volition™ RJ45 K5e Jack, Cat 5e, FTP, white 8 contacts and a ninth point to ensure the grounding continuity PU: 8 pcs/bag, MOQ: 12 bags	VOL-OCK5E-F
Volition™ RJ45 K5e Jack, Cat 5e, FTP, black PU: 8 pcs/bag, MOQ: 12 bags	VOL-OCK5E-F-BK
Volition™ RJ45 K5e Jack, Cat 5e, FTP, white Packaging : 500 units (bulk)	VOL-OCK5E-FB



Volition™ RJ45 K5e Jack, Cat 5e, STP, white & metallic shield 8 contacts, metallic nose and tinned bronze cover, shielded by reversible metal cover. Supplied with a fixing collar PU: 8 pcs/bag, MOQ: 12 bags	VOL-OCK5E-S
Volition™ RJ45 K5e Jack, Cat 5e, STP, white and metallic shield Packaging: 500 units (bulk)	VOL-OCK5E-SB
Volition™ shielded cover for RJ45 Keystone jacks Packaging: 500 units (bulk)	VOL-SCOCK-B

1.1 Copper Cabling

1.1.1 Volition™ RJ45 K Faceplates and Sockets

Description

Volition™ Faceplates, keystone

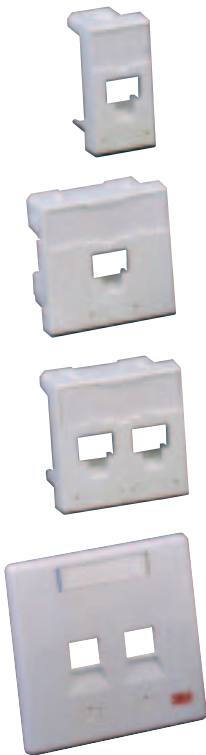
A wide range of face plates and boxes are available for the 'K' series Jacks which ensure easy fitting and smart presentation of the RJ45 outlet. Vertical and 30° angled versions are offered in local country adaptations giving the ability to surface or flush mount. The Keystone mounting feature of the Jack may allow you to use VF-45™ or other Keystone boxes or face plates.

Different colour options are available in some versions. A label holder and white application icon (coloured icons are available) finish the presentation to give a smart and functional appearance. The choice of UTP, FTP or STP 360° braid or foil connection offers you the electromagnetic compatibility level you require.



Type/Order Text

Ref.-No.



Volition™ Faceplates, keystone, PU: 1pc/bag, MOQ: 24 bags

Volition™ 22,5x45 Faceplate, 1 port, keystone, white

VOL-FP2M-F1K

Volition™ 45x45 Faceplate, 1 port, keystone, white

VOL-FP4M-F1K

Volition™ 45x45 Faceplate, 2 ports, keystone, white

VOL-FP4M-F2K

Volition™ Single Gang Faceplates, keystone, PU: 1pc/bag, MOQ: 50 bags

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, bright white

VOL-0714B

Volition™ Single Gang Faceplate, 4 ports, keystone, office white

VOL-0714

Volition™ U.K. Single Gang Faceplates, keystone, PU: 1pc/bag, MOQ: 2000 bags

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

1.1 Copper Cabling

1.1.1 Volition™ RJ45 K Faceplates and Sockets



Type/Order Text

Ref.-No.

Volition™ German Sockets

Volition™ German Sockets equipped with STP RJ45 K6 Jacks, keystone, PU: 10pcs/box MOQ: 10 boxes

Volition™ Flush mounted Socket equipped with 2 x RJ45 K6 Jacks,
keystone, beige

VOL-SGFB-W2K2

Volition™ Flush mounted Socket equipped with 2 x RJ45 K6 Jacks,
keystone, white

VOL-SGFW-W2K2

Volition™ Flush mounted Socket equipped with 2 x RJ45 K6 Jacks,
central fixing, keystone, beige

VOL-SGFCB-W2K2

Volition™ Flush mounted Socket equipped with 2 x RJ45 K6 Jacks,
central fixing, keystone, white

VOL-SGFCW-W2K2

1.1 Copper Cabling

1.1.1 Volition™ RJ45 K Faceplates and Sockets

Type/Order Text

Ref.-No.

Identification and application Reversible icons (Voice/Data) for Keystone Faceplates, PU: 8pcs/bag, MOQ: 10 bags

For Volition™ 22,5x45 and 45x45 Faceplates, keystone,	Red	VOL-0790RD
For Volition™ 22,5x45 and 45x45 Faceplates, keystone,	Yellow	VOL-0790YL
For Volition™ 22,5x45 and 45x45 Faceplates, keystone,	Blue	VOL-0790BL
For Volition™ 22,5x45 and 45x45 Faceplates, keystone,	Green	VOL-0790GR

1.1 Copper Cabling

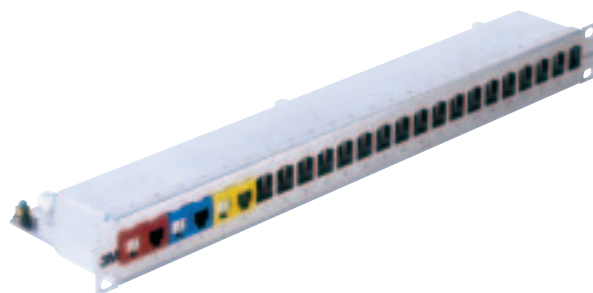
1.1.1 Volition™ RJ45 K Patch Panels

Description

K Series Patch Panels

Designed around our tried and tested modular format, the unloaded 19" patch panels give a precise and stylish presentation of the 'K' series Jacks in either black or brushed aluminium. The Jacks have an integral dust cover providing a fully shuttered patch panel presentation. In the Classic versions, a cable tray and the ability to earth ensures quick and reliable cable fixing for all three formats, UTP, FTP with drain wire, and STP 360° braid or foil connection, to ensure electromagnetic compatibility. The jack design prevents interference between the jacks.

The Economic Patch Panel without cable tray is a low cost option for UTP applications, for use with racks with integral cable management solutions.



Type/Order Text

Ref.-No.

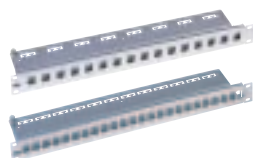
Volition™ Classic Patch Panels, non equipped, keystone, PU: 1 pc/carton, MOQ: 1 carton

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

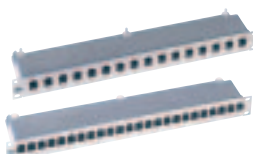
Volition™ Economic Patch Panels, non equipped, keystone, PU: 1 pc/carton, MOQ: 1 carton exclusively for UTP cabling

Volition™ Economic Patch Panel, double plate, 24 ports, UTP, keystone, black alu	VOL-PPUD-F24K
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Volition™ German Patch Panel, equipped with RJ45 K6 Jacks, keystone, PU: 1 pc/carton, MOQ: 1 carton



Volition™ German Patch Panel, 24 ports, keystone, brushed alu	VOL-PPGA-W24K
--	----------------------



with cover

Volition™ German Patch Panel, 24 ports, keystone, brushed alu	VOL-PGCA-W24K
--	----------------------

1.1 Copper Cabling

1.1.1 Volition™ RJ45 K Patch Panels

Type/Order Text

Ref.-No.

Accessories for Patch Panels

Volition™ Colour Port Identification Bezels, keystone, PU: 8 pcs/bag, MOQ: 10 bags



Volition™ Port Identification Bezel, keystone, Red	VOL-PCC-R
Volition™ Port Identification Bezel, keystone, Yellow	VOL-PCC-Y
Volition™ Port Identification Bezel, keystone, Blue	VOL-PCC-B
Volition™ Port Identification Bezel, keystone, Green	VOL-PCC-G
Volition™ Port Identification Bezel, keystone, White	VOL-PCC-W
Volition™ Port Identification Bezel, keystone, Orange	VOL-PCC-O
Volition™ Port Identification Bezel, keystone, Black	VOL-PCC-BK

Volition™ Blanking Plugs, keystone, PU: 50 pcs/bag, MOQ: 1 bag

Volition™ Blanking Plug, keystone, white	VOL-0300
Volition™ Blanking Plug, keystone, black	VOL-0300BK

Volition™ Support for 4 x RJ45 K5e or K6 Jacks, keystone, brushed alu **VOL-SA-F4K**

19" Cable Accessories

1U Patch Cord Management Panel, 5 Plastic Rings, Black, PU: 1 pc/carton, MOQ: 4 cartons	P33410AA
1U Plastic Rings, Black, PU: 2 pcs/bag, MOQ: 5 bags	P33340AA
2U Plastic Rings, Black, PU: 2 pcs/bag, MOQ: 5 bags	P33345AA
1U Patch Cord Shelf Management Panel, Black, PU: 1 pc/carton, MOQ: 2 cartons	P33310AA
2U Patch Cord Shelf Management Panel, Black, PU: 1 pc/carton, MOQ: 1 carton	P33330AA
1U Shelf, Black, MOQ: 1	P33325AA
1U Plain Cover, Black, MOQ: 1	P33201AA
2U Plain Cover, Black, MOQ: 1	P33202AA
3U Plain Cover, Black, MOQ: 1	P33203AA



1.1 Copper Cabling

1.1.2 Volition™ RJ45 Giga Jacks

Description

RJ45 Giga Jacks

The Giga Jack offers a tool-free termination in record time. All 8 copper conductors are effortlessly terminated in one simple operation resulting in reliable interconnection.

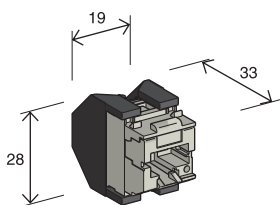
If a wiring mistake is made you can re-use your Giga Jack several times. With its reduced depth and the different faceplate options available, it integrates perfectly in all cable ducts or wall boxes, for enhanced cable bend radius control.

Highlights

- Tool free assembly
- Choice of cable insertion orientation either from the top or bottom for enhanced cable bend radius control
- Reuseable
- Easy assembly
- UTP, FTP or STP types available

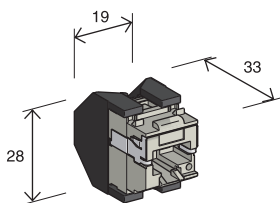
Type/Order Text

Ref.-No.



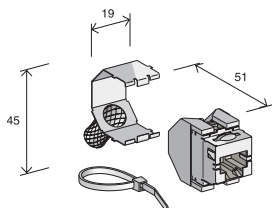
Volition™ RJ45 Giga Jack, Cat 5e , UTP, light grey
 8 contacts
 PU: 8 pcs/bag
 MOQ: 12 bags

P28770AB



Volition™ RJ45 Giga Jack, Cat 5e, FTP, light grey
 8 contacts and a ninth point to ensure the grounding continuity
 PU: 8 pcs/bag
 MOQ: 12 bags

P28771AB



Volition™ RJ45 Giga Jack, Cat 5e, STP, light grey and metallic shield
 8 contacts, metallic nose and tinned bronze cover shielded by reversible metal cover. Supplied with a fixing collar
 PU: 8 pcs/bag
 MOQ: 12 bags

P28772AB

1.1 Copper Cabling

1.1.2 Volition™ RJ45 Giga Faceplates

Description

RJ45 Faceplates

The Giga sockets are available with a vertical front face in the following sizes:

- 22.5 x 45 mm
- 45 x 45 mm

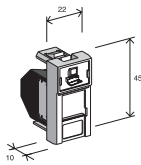
Highlights

- Accept RJ45 Giga Jack (UTP, FTP, STP)
- White surround
- Label holder and label with logo (telephone or computer)

Type/Order Text

Ref.-No.

Volition™ Faceplates, Giga, PU: 1pc/bag, MOQ: 24 bags
The 22.5x45 and 45x45 formats accept (optional) colour icons, Shutter for dust protection, Depth 27 mm



Volition™ RJ45 Giga Jack, 22,5x45 mm

P28753AB

Volition™ RJ45 Giga Jack, 45x45 mm

P28756AB



Coloured Removable Flanges for modules 22.5x45, 45x45 mm

Blue

P28323BE

Yellow

P28323JA

Red

P28323RE

Green

P28323VE

1.1 Copper Cabling

1.1.2 Volition™ RJ45 Faceplates and Sockets

Description

Socket and Faceplates

The Giga faceplate enables Giga Jacks to be used with wall adapters and can work in flush mount or surface mount applications. The faceplates are available in different formats to suit local requirements (German, American, UK, Swiss), in either 2 or 4 ports.

They are available in two colours (RAL1013, RAL9010) and are complete with a label holder and port icons for detailed port identification.

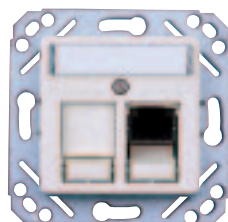


Type/Order Text

Ref.-No.

Volition™ German Socket Kit, Cat 5e, PU: 10 pcs/box, MOQ: 10 boxes

Delivery: 1 plastic front and 2x RJ45 ports with shutters for dust protection



Volition™ Flush mounted Socket, 2 ports, central fixing, shielded Qmax III, RAL1013, beige	60-516-07700
Volition™ Flush mounted Socket, 2 ports, central fixing, shielded Qmax III, RAL9010, white	60-516-07725
Volition™ Flush mounted Socket, 2 ports, shielded Qmax III, RAL1013, beige	60-516-07800
Volition™ Flush mounted Socket, 2 ports, shielded Qmax III, RAL9010, white	60-516-07825
Volition™ Flush mounted Socket, 2 ports, central fixing Qmax III, RAL1013, beige	60-516-08200
Volition™ Flush mounted Socket, 2 ports, central fixing Qmax III, RAL9010, white	60-516-08225
Volition™ Flush mounted Socket, 2 ports Qmax III, RAL1013, beige	60-516-08300
Volition™ Flush mounted Socket, 2 ports Qmax III, RAL9010, white	60-516-08325

Volition™ German Faceplates, Giga, PU: 20 pcs, MOQ: 20 boxes

Flush mounted, faceplates 50x50 mm for 2x RJ45 Giga Jacks



Volition™ German Flush mounted 50x50 Faceplate, 2 ports, Giga, RAL1013, beige	60-516-04600
Volition™ German Flush mounted 50x50 Faceplate, 2 ports, Giga, RAL9010, white	60-516-04625

1.1 Copper Cabling

1.1.2 Volition™ RJ45 Faceplates and Sockets

Type/Order Text

Ref.-No.

American, U.K. and Swiss - Faceplates

Volition™ American Faceplate, Giga

Faceplates for RJ45 Giga Jack. Mounted on surface or fitted support. Separation 84 mm.

Supplied with 1 label holder, 1 reversible telephone/computer identification label

Volition™ American Faceplate for 2 x RJ45 Giga Jacks

P28363AA

Volition™ American Faceplate for 4 x RJ45 Giga Jacks

P28366AA

Angled Jack Mounting 45°, Plastic wall mounting faceplate, 2 white paper labels and 2 transparent label covers, 1 blank module insert, 2 reversible telephone/computer identification labels

Volition™ American Faceplate for 2 x RJ45 Giga Jacks

VOL-F5V2R1COW

Volition™ American Faceplate for 4 x RJ45 Giga Jacks

P28366AA

Volition™ U.K. Faceplate, Giga

Volition™ Classic U.K. Faceplate, 1 port, Giga

VOL-FPUK-1G

Volition™ Classic U.K. Faceplate, 2 ports, Giga

VOL-FPUK-2G

Volition™ Stylish U.K. Faceplate, 2 ports, Giga, PU: 1, MOQ: 25

P28295AA

Volition™ U.K. Faceplate for 50x50 Socket, Giga, PU: 1, MOQ: 400

P28240AA

Volition™ Swiss Faceplate, Giga

Volition™ Swiss Faceplate, 2 ports, Giga, PU: 1, MOQ: 25

P28740AA



1.1 Copper Cabling

1.1.2 Volition™ RJ45 Giga Patch Panels

Description

RJ45 Giga Patch Panels

Ergonomically designed, the RJ45 Giga patch panels can easily be mounted in racks, wall boxes or cabinets with a 19" format.

The shielded version of the RJ45 Giga patch panel supports cables of all common diameters and provides effective protection against electromagnetic interference due to 360° contact of the cable braids on a single earth plane.

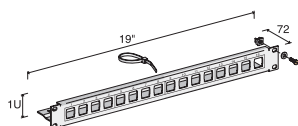
Highlights

- Easy implementation
- Port blanking plugs
- Cable safety through rear cable fixing
- Individual connectors, preventing any risk of interference from one socket to another
- Coloured Bezels for easy identification of service

Type/Order Text

Ref.-No.

Volition™ 19" Patch Panels, non equipped, Giga

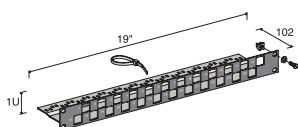


Volition™ 19" x 1U x 70mm Patch Panel, 16 ports,
Giga, brushed alu

P33255AA

Volition™ 19" x 1U x 70mm Patch Panel, 16 ports,
Giga, black alu

P33355AA

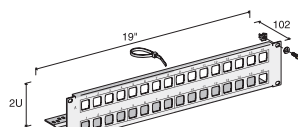


Volition™ 19" x 1U x 100mm Patch Panel, 24 ports,
Giga, brushed alu

P33275AA

Volition™ 19" x 1U x 100mm Patch Panel, 24 ports,
Giga, black alu

P33375AA

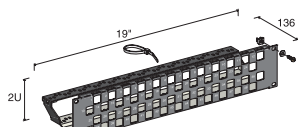


Volition™ 19" x 2U x 100mm Patch Panel, 32 ports,
Giga, brushed alu

P33265AA

Volition™ 19" x 2U x 100mm Patch Panel, 32 ports,
Giga, black alu

P33365AA

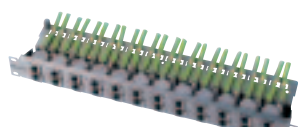


Volition™ 19" x 2U x 130mm Patch Panel, 48 ports,
Giga, brushed alu

P33285AA

Volition™ 19" x 2U x 130mm Patch Panel, 48 ports,
Giga, black alu

P33385AA



Volition™ 19" x 1U Patch Panels, equipped, Qmax

Volition™ 19" x 1U Patch Panel, 24 ports, Qmax, total shield

43018-684 30

Volition™ 19" x 1U Patch Panel, 24 ports, Qmax, single shield

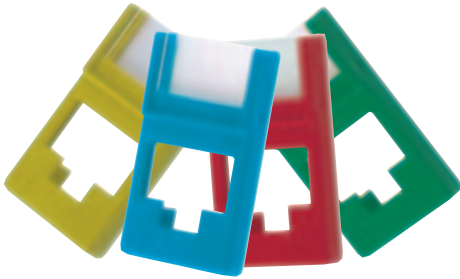
43018-678 30

1.1 Copper Cabling

1.1.2 Volition™ RJ45 Giga Patch Panels

Description

Accessories for RJ45 Giga Patch Panels



Highlights

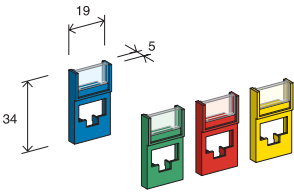
- Identification and location bezels
- RJ-45 port covers
- Fibre optic adapters
- 19" Outlet, plate and box supports

Type/Order Text

Ref.-No.

Volition™ Colour Port Identification Bezels, Giga, PU: 8 pcs/bag, MOQ: 1 bag

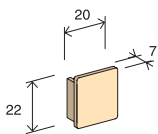
Allows easy identification of the function of each RJ45 port, Adapted to all patch panels (16, 24, 32 and 48 ports). Require the presence of a RJ45 Jack.



Volition™ Port Identification Bezel, Giga, Red	P33240RE
Volition™ Port Identification Bezel, Giga, Yellow	P33240JA
Volition™ Port Identification Bezel, Giga, Blue	P33240BE
Volition™ Port Identification Bezel, Giga, Green	P33240VE

Volition™ Colour Port Covers

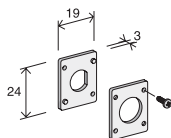
Allows ports on standby to be covered.



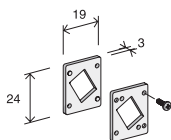
Volition™ Colour Port Cover, white	P33182AA
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Fibre Optic Adapters

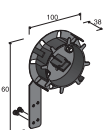
Allows for the connection of fibre optic couplings to the 19" patch panel using the RJ-45 ports. Available either for ST or SC couplings. The fibre over length storage kit includes an arm and drum which is attached on the rear plate of the 19" patch panel enabling the correct organisation of the fibre optic cables.



ST adapter, 24x19x3mm	P33425AA
ST coupling, Screws supplied for fixing to the patch panels	



SC adapter, 24x19x3mm	P33420AA
SC coupling, Screws supplied for fixing to the patch panels	



Storage kit, 160x100x38mm	P33415AA
Including an arm and a drum	

1.1 Copper Cabling

1.1.2 Volition™ RJ45 Giga Patch Panels



Volition™ Network Solutions

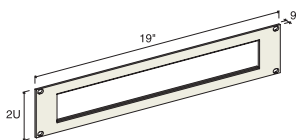
1

Type/Order Text

Ref.-No.

Plate for 8, RJ45 Outlets on a 50x50 Support

Connectors and screws not supplied. Anodised aluminium

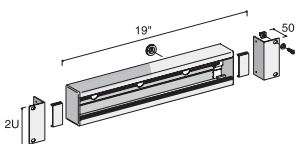


Volition™ 19" x 2U x 8 Plate for 8 x RJ45 Giga Outlets
(on a 50x50 support)

27181200

Box for 7, 50x50 Outlets

Box complete with mounting accessories for assembly in a 19" rack, cabinet or box. Accepts all types of 50x50 faceplates. Connectors not supplied, screws supplied, anodised aluminium

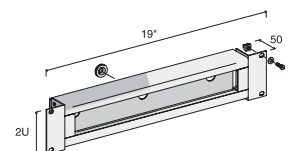


Volition™ 19" x 2U x 50 Box for 7 x RJ45 50x50 Giga Outlets

P28070AA

Box for 8, 45x45 Outlets

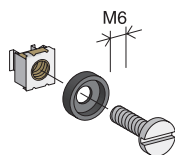
Box complete with mounting accessories for assembly in a 19" rack, cabinet or box. Accepts all types of 45x45 faceplates. Connectors not supplied, screws supplied, anodised aluminium



Volition™ 19" x 2U x 50 Box for 8 x RJ45 45x45 Giga Outlets

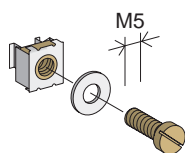
P33120AA

Fixing Kit



M6 Cage nut,
M6 nickel-plated screw and black plastic washer

P33067AA



M5 Cage nut,
M5 screw and washer

29010300

1.1 Copper Cabling

1.1.3 Volition™ 45x45 Module Supports

Description

45x45 Module Supports

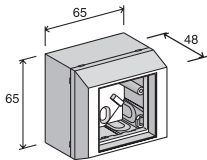
Easy to install, the boxes are either pre-pierced for cable entry or are provided with push-in openings.

The range includes models for different applications:

- Wall mounting boxes in ABS, single socket or multiple sockets
- Surface mounted or flush mounted boxes in aluminium, single and double versions, several lengths available
- Floor boxes, for use in computer centres or offices with false floors

Type/Order Text

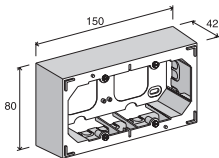
Ref.-No.



Volition™ Single Box

RAL 9011, 65x65x48 mm, Surface mounted,
For 1, 45x45 mm module

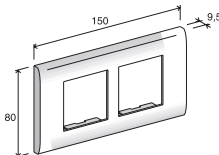
P28420AA



Volition™ Surface Mounted Box

RAL 9011, 150x80x42 mm,
Takes the P28691AA top,
For 2, 45x45 mm modules

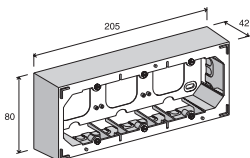
P28690AA



Volition™ Lid for Surface Mounted Box

RAL 9011, 150x80x9.5 mm,
Fits on P28691AA,
For 2, 45x45 mm modules

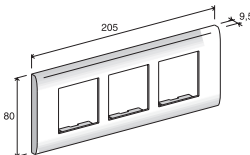
P28691AA



Volition™ Surface Mounted Box

RAL 9011, 205x80x42 mm,
Takes the P28696A top,
For 3, 45x45 mm modules

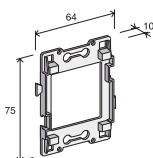
P28695AA



Volition™ Lid for Surface Mounted Box

RAL 9011, 205x80x9.5mm
Fits on P28695AA,
For 3, 45x45 mm modules

P28696AA



Volition™ Module Support

30% fibre glass polycarbonate, 64x75x10 mm,
Mounted between the box (surface mounting) or
Base (flush mounting) and lids
P28691AA or P28696AA

P28692AA

1.1 Copper Cabling

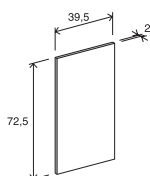
1.1.3 Volition™ 45x45 Module Supports



Type/Order Text

Ref.-No.

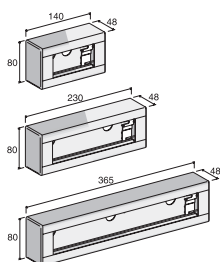
45x45 Module Supports



Volition™ Insulating Partition (ABS), 39,5x72,5x2mm

P28693AA

Separates high and low currents
Mounts within P28690AA and P28695AA



Volition™ Simple Surface Mounted Boxes

for 45x45 Modules (Anodised Aluminium)

Delivery:

- 2 half blanking covers
- 1 or 2 un-assembled earth wires (depending on variant)

Volition™ Simple Surface Mounted Box, 140x80x48 for 2 sockets **P28452AA**

Volition™ Simple Surface Mounted Box, 230x80x48 for 4 sockets **P28454AA**

Volition™ Simple Surface Mounted Box, 365x80x48 for 7 sockets **P28457AA**

Volition™ Double Surface Mounted Boxes

for 45x45 Modules (Anodised Aluminium)

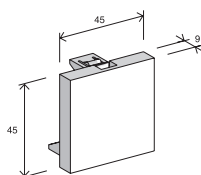
Delivery:

- 4 half blanking covers
- 2 or 4 un-assembled earth wires (depending on variant)

Volition™ Double Surface Mounted Box, 185x120x60 for 2x3 sockets **P28463AA**

Volition™ Double Surface Mounted Box, 275x120x60 for 2x5 sockets **P28465AA**

Volition™ Double Surface Mounted Box, 365x120x60 for 2x7 sockets **P28467AA**



Volition™ Blanking Plugs

Volition™ 45x45mm Full Cover **P28250AA**

Volition™ 22,5x45mm Half Cover **P28251AA**

1.1 Copper Cabling

1.1.3 Volition™ 50x50 Module Supports

Description

50x50 Module Supports

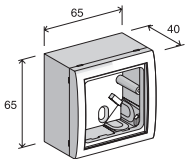
Easy to install, the boxes are either pre-pierced for cable entry or are provided with push-in openings.

The range includes models for different applications:

- Wall mounting boxes in ABS, single socket or multiple sockets
- Surface mounted or flush mounted boxes in aluminium, single and double versions, several lengths available
- Floor boxes, for use in computer centres or offices with false floors

Type/Order Text

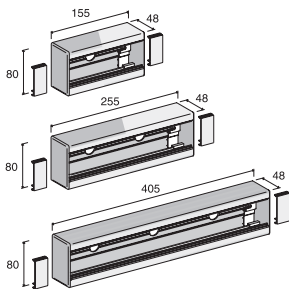
Ref.-No.



Volition™ Surface Mounted Single Box, RAL 9011
RAL9011, For 1, 50x50 mm module

Volition™ 65x65x48 Surface Mounted Single Box, RAL 9011

P28410AA



Volition™ Simple Surface Mounted Boxes
for 50x50 Modules (Anodised Aluminium)

Delivery:

- 2 half blanking covers
- 1 or 2 un-assembled earth wires (depending on variant)

Volition™ Simple Surface Mounted Box, 155x80x48 for 2 sockets

267585VA

Volition™ Simple Surface Mounted Box, 255x80x48 for 4 sockets

267575VA

Volition™ Simple Surface Mounted Box, 365x80x48 for 7 sockets

267576VA

Volition™ Double Surface Mounted Boxes
for 50x50 Modules (Anodised Aluminium)

Delivery:

- 4 half blanking covers
- 2 or 4 un-assembled earth wires (depending on variant)

Volition™ Double Surface Mounted Box, 185x120x60 for 2x3 sockets

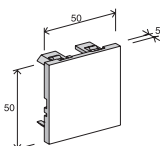
P28610AA

Volition™ Double Surface Mounted Box, 275x120x60 for 2x5 sockets

P28611AA

Volition™ Double Surface Mounted Box, 365x120x60 for 2x7 sockets

P28612AA



Volition™ Blanking Plugs

Volition™ 50x50 mm Full Cover

12391500



1.1 Copper Cabling

1.1.4 Volition™ RJ45 Double Adapters

Description

Volition™ RJ45 Double Adapters for Patch Panels and Sockets

These adapters allow simple, low cost increase of the number of users on an access point and permit the use of standard cords for terminal connection.

The adapter boxes are available in different versions :

- Adapters with an RJ45 telephone socket serving as interface between the male telephone connector and the female RJ45 socket
- Digital adapters equipped with bus terminal resistors
- Doublers and quadruplers, to share the pairs allocated to telephony or computers

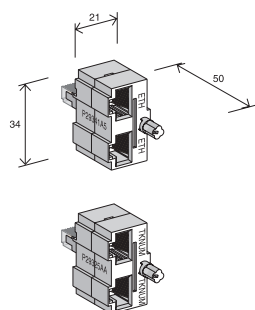
Type/Order Text

Ref.-No.

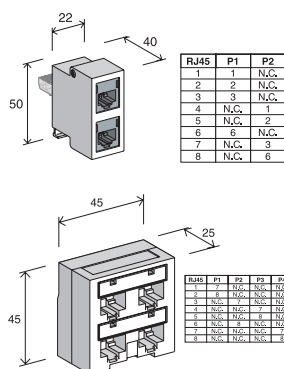
Volition™ RJ45 9-pin and 8-pin Double Adapters for Patch Panels and Sockets

Consists of a male RJ45 plug & 2 female RJ45 connectors for sharing pairs, Adaptable to all 16, 24, 32 or 48 patch panels and RJ45 sockets

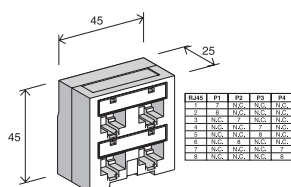
PU: 1, MOQ: 10



Ethernet 100Base Tx / Ethernet 100Base Tx	9-pin	P29341B5
Ethernet 100Base Tx / Numeric Telephone	9-pin	P29345B5
Token Ring-Numeris / Token Ring-Numeris	9-pin	P29325BA
Ethernet 10Base Tx / Ethernet 10Base Tx	9-pin	P29342BA



Ethernet 100Base Tx / Ethernet 100Base Tx	8-pin	P29340B5
Ethernet 100Base Tx / Numeric Telephone	8-pin	P29344B5
Token Ring-Numeris / Token Ring-Numeris	8-pin	P29324BA
Ethernet 10Base Tx / Ethernet 10Base Tx	8-pin	P29343BA
Ethernet 10Base Tx / Y Wiring Telephone	8-pin	P29359BA
Point to Point ISDN 100 Ohm Adapter	-	P29323BA



1.1 Copper Cabling

1.1.5 Overview

Description

Horizontal Cables - Overview

A complete range of cables which offer superior electrical performance. Available in both Category 5e and 6, the 100Ω cables can be used to obtain a Class D link (Cat 5e) or Class E link (Cat 6) (ISO/IEC 11801, EN50173 or TIA/EIA-568) with different degrees of protection (UTP, FTP, SFTP, FFTP).

The 100Ω cables are recommended for high speed data transmission within local area networks (LANS), horizontal cabling between intermediate cross connects and the connection panel.

Highlights

- Category 5e or 6
- From 100 to 350 MHz maximum frequency
- UTP, FTP, SFTP or FFTP version
- PVC or LSOH sheath
- Supplied in boxes or reels

Physical Characteristics

Product	Conductor	Insulation	Sheath	Shield
Cat 5e UTP	Electrolytic copper (AWG 24)	Medium density polyethylene	PVC or LSOH Ø 4.8 mm	-
Cat 6 UTP	Electrolytic copper (AWG 24)	Medium density polyethylene	PVC or LSOH Ø 6.4 mm	-
Cat 5e FTP	Electrolytic copper (AWG 24)	Skim/foam skin polyethylene	PVC or LSOH Ø 5.9 mm	Aluminium/Polyester tape with continuity wire
Cat 6 FTP	Electrolytic copper (AWG 24)	Skim/foam skin polyethylene	PVC or LSOH Ø 7.0 mm	Aluminium/Polyester tape with continuity wire
Cat 6 FFTP	Electrolytic copper (AWG 24)	Skim/foam skin polyethylene	PVC or LSOH Ø 7.7 mm	Aluminium/Polyester tape with continuity wire

Electrical Characteristics at 20°C

Product	Conductor Resistance (Ω/km)	Insulation resistance (MΩxkm)	Characteristics impedance (Ω) (f=1/100MHz)	Velocity of propagation (%)	Dielectric Strength at 50Hz (kV/1min)
Cat 5e UTP	98.6	5000	100 ±15	66	1
Cat 6 UTP	98.6	5000	100 ±18	66	1
Cat 5e FTP	98.6	5000	100 ±15	78	1
Cat 6 FTP	98.6	5000	100 ±18	66	1
Cat 6 FFTP	98.6	5000	100 ±18	66	1

Mechanical Characteristics

Product	Conductor Ø (mm)	Insulation Ø (mm)	Min bend radius during installation (mm)	Max. Pulling Tension (N)	Nominal weight (kg/km)
Cat 5e UTP	0.51	0.90	40	80	30
Cat 6 UTP	0.54	0.96	55	90	40
Cat 5e FTP	0.51	0.98	50	80	38
Cat 6 FTP	0.51	1.10	60	80	52
Cat 6 FFTP	0.51	1.10	60	80	57

1.1 Copper Cabling

1.1.5 Overview



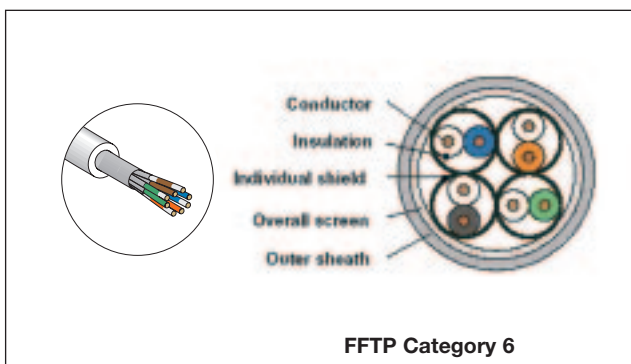
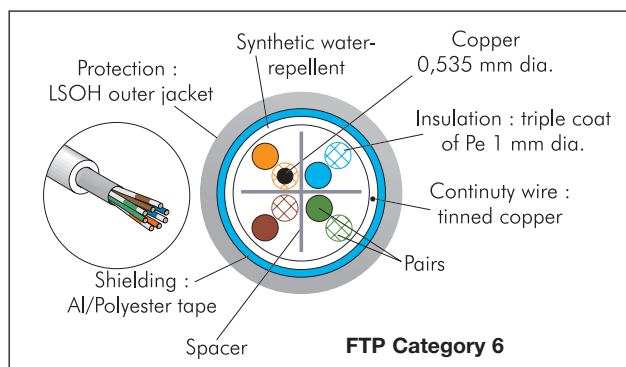
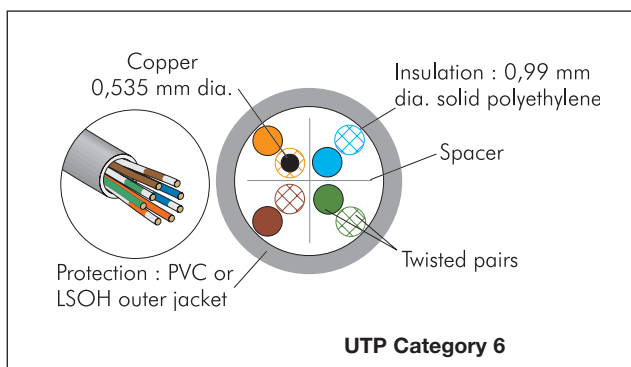
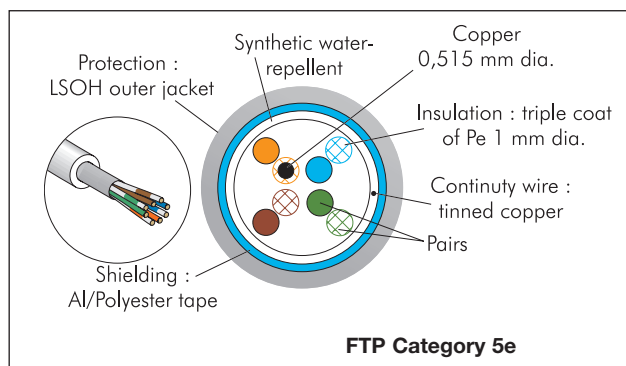
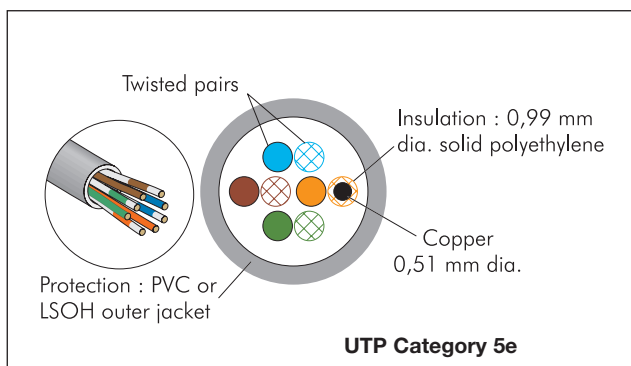
Description

Performance

Cat 5e at 200 MHz and Cat 6 at 300 MHz

Product	Attenuation (dB/100m)	NEXT (dB)	ACR (dB)	PS NEXT (dB)	ELFEXT (dB/100m)	PS ELFEXT (dB/100m)	Return Loss (dB)
Cat 5e UTP	28	37	9	34	29	26	21
Cat 6 UTP	34	40	6	37	35	32	20
Cat 5e FTP	28	37	9	34	29	26	21
Cat 6 FTP	34	40	6	37	35	32	20
Cat 6 FFTP	30	32	2	-	-	-	-

Cable Structure - Twisted Pairs Cables



- UTP** = **Unshielded Twisted Pairs**
- FTP** = **Foil Twisted Pairs**
- FFTP** = **Foil / Foil Twisted Pairs**
- SFTP** = **Shielded & Foil Twisted Pairs**

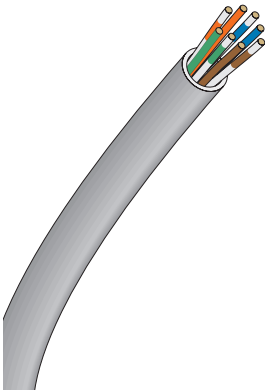
1.1 Copper Cabling

1.1.5 Volition™ Cat 5e Cables

Type/Order Text

Ref.-No.

Volition™ Cat 5e Cable, 100 Ohms



Cable UTP, Category 5e, PVC

Volition™ Cat 5e Cable, UTP, PVC, 4 pairs, 305 m Box, PU: 305 m/box, MOQ: 1	VOL-5EUP4-305
Volition™ Cat 5e Cable, UTP, PVC, 4 pairs, 1000 m Drum, PU: 1000 m/drum, MOQ: 1	VOL-5EUP4-1000
Volition™ Cat 5e Cable, UTP, PVC, 2x4 pairs, 1000 m Drum, PU: 1000 m/drum, MOQ: 1	VOL-5EUP8-1000

Cable UTP, Category 5e, LSOH

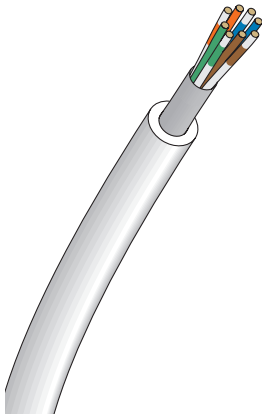
Volition™ Cat 5e Cable, UTP, LSOH, 4 pairs, 305 m Box, PU: 305 m/box, MOQ: 1	VOL-5EUL4-305
Volition™ Cat 5e Cable, UTP, LSOH, 4 pairs, 1000 m Drum, PU: 1000 m/drum, MOQ: 1	VOL-5EUL4-1000
Volition™ Cat 5e Cable, UTP, LSOH, 2x4 pairs, 1000 m Drum, PU: 1000 m/drum, MOQ: 1	VOL-5EUL8-1000

Cable FTP, Category 5e, PVC

Volition™ Cat 5e Cable, FTP, PVC, 4 pairs, 305 m Box, PU: 305 m/box, MOQ: 1	VOL-5EFP4-305
Volition™ Cat 5e Cable, FTP, PVC, 4 pairs, 1000 m Drum, PU: 1000 m/drum, MOQ: 1	VOL-5EFP4-1000

Cable FTP, Category 5e, LSOH

Volition™ Cat 5e Cable, FTP, LSOH, 4 pairs, 305 m Box, PU: 305 m/box, MOQ: 1	VOL-5EFL4-305
Volition™ Cat 5e Cable, FTP, LSOH, 4 pairs, 500 m Drum PU: 500 m/drum, MOQ: 1	VOL-5EFL4-500
Volition™ Cat 5e Cable, FTP, LSOH, 4 pairs, 1000 m Drum PU: 1000 m/drum, MOQ: 1	VOL-5EFL4-1000
Volition™ Cat 5e Cable, FTP, LSOH, 2x4 pairs, 500 m Drum PU: 500 m/drum, MOQ: 1	VOL-5EFL8-500
Volition™ Cat 5e Cable, FTP, LSOH, 2x4 pairs, 1000 m Drum PU: 1000 m/drum, MOQ: 1	VOL-5EFL8-1000



Environmental Characteristics - Horizontal Cable Category 5e

Temperature

Transport and Storage	0 to +50°C
Operating-	-20 to +60°C

Fire Resistance

PVC	IEC 60332-1, NFC 32079 2.1 (Cat C2)
LSOH	IEC 60774-1

Colour

Outer Jacket: Green

1.1 Copper Cabling

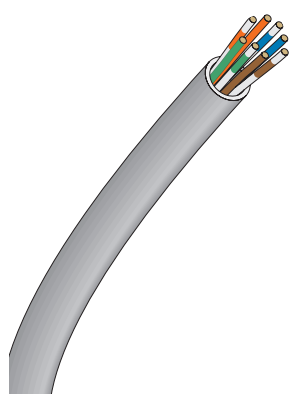
1.1.5 Volition™ Cat 6 Cables



Type/Order Text

Ref.-No.

Volition™ Cat6 Cable, 100 Ohms



Cable UTP, Category 6, PVC

Volition™ Cat 6 Cable, UTP, PVC, 4 pairs, 305 m Box **VOL-6UP4-305**
 PU: 305 m/box, MOQ: 1

Volition™ Cat 6 Cable, UTP, PVC, 4 pairs, 1000 m Drum **VOL-6UP4-1000**
 PU: 1000 m/drum, MOQ: 1

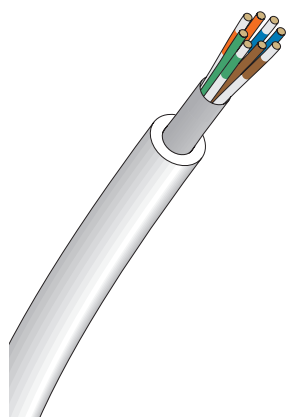
Volition™ Cat 6 Cable, UTP, PVC, 2x4 pairs, 1000 m Drum **VOL-6UP8-1000**
 PU: 1000 m/drum, MOQ: 1

Cable UTP, Category 6, LSOH

Volition™ Cat 6 Cable, UTP, LSOH, 4 pairs, 305 m Box **VOL-6UL4-305**
 PU: 305 m/box, MOQ: 1

Volition™ Cat 6 Cable, UTP, LSOH, 4 pairs, 1000 m Drum **VOL-6UL4-1000**
 PU: 1000 m/drum, MOQ: 1

Volition™ Cat 6 Cable, UTP, LSOH, 2x4 pairs, 1000 m Drum **VOL-6UL8-1000**
 PU: 1000 m/drum, MOQ: 1



Cable FTP, Category 6, PVC

Volition™ Cat 6 Cable, FTP, PVC, 4 pairs, 1000 m Drum **VOL-6FP4-1000**
 PU: 1000 m/drum, MOQ: 1

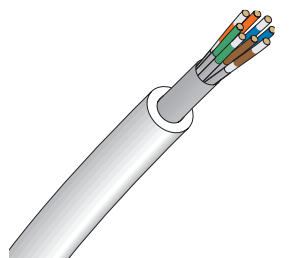
Cable FTP, Category 6, LSOH

Volition™ Cat 6 Cable, FTP, LSOH, 4 pairs, 500 m Drum **VOL-6FL4-500**
 PU: 500 m/drum, MOQ: 1

Volition™ Cat 6 Cable, FTP, LSOH, 4 pairs, 1000 m Drum **VOL-6FL4-1000**
 PU: 1000 m/drum, MOQ: 1

Volition™ Cat 6 Cable, FTP, LSOH, 2x4 pairs, 500 m Drum **VOL-6FL8-500**
 PU: 500 m/drum, MOQ: 1

Volition™ Cat 6 Cable, FTP, LSOH, 2x4 pairs, 1000 m Drum **VOL-6FL8-1000**
 PU: 1000 m/drum, MOQ: 1



Cable FFTP, Category 6, LSOH

Volition™ Cat 6 Cable, FFTP, LSOH, 4 pairs, 500 m Drum **VOL-6FFL4-500**
 PU: 500 m/drum, MOQ: 1

Volition™ Cat 6 Cable, FFTP, LSOH, 4 pairs, 1000 m Drum **VOL-6FFL4-1000**
 PU: 1000 m/drum, MOQ: 1

Volition™ Cat 6 Cable, FFTP, LSOH, 2x4 pairs, 500 m Drum **VOL-6FFL8-500**
 PU: 500 m/drum, MOQ: 1

Volition™ Cat 6 Cable, FFTP, LSOH, 2x4 pairs, 1000 m Drum **VOL-6FFL8-1000**
 PU: 1000 m/drum, MOQ: 1

Environmental Characteristics - Horizontal Cable Category 6

Temperature

Transport and Storage 0 to +50°C
 Operating -20 to +60°C

Fire Resistance

PVC IEC 60332-1, NFC 32079 2.1 (Cat C2)
 LSOH IEC 60774-1

Colour

Outer Jacket: Green

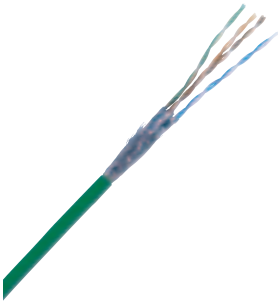
1.1 Copper Cabling

1.1.5 Volition™ Cat 7 & Backbone Cat 5 Cables

Type/Order Text

Ref.-No.

Volition™ Cat 7 Cable, 100 Ohms



Cable SFTP, Category 7, LSOH

Volition™ Cat 7 Cable, SFTP, LSOH, 4 pairs, 500 m Drum
PU: 500 m/drum, MOQ: 1

VOL-7SSL4-500

Volition™ Cat 7 Cable, SFTP, LSOH, 4 pairs, 1000 m Drum
PU: 1000 m/drum, MOQ: 1

VOL-7SSL4-1000

Volition™ Cat 7 Cable, SFTP, LSOH, 2x4 pairs, 500 m Drum
PU: 500 m/drum, MOQ: 1

VOL-7SSL8-500

Volition™ Cat 7 Cable, SFTP, LSOH, 2x4 pairs, 1000 m Drum
PU: 1000 m/drum, MOQ: 1

VOL-7SSL8-1000

Volition™ Cat 5 Backbone Cable, 100 Ohms

Volition™ Cat 5 Backbone Cable, 100 Ohms

Volition™ Cat 5 Backbone Cable, UTP, PVC, 25 pairs, 1 m
PU: 1 m, MOQ: 50

VOL-5UP25-M

Volition™ Cat 5 Backbone Cable, UTP, PVC, 50 pairs, 1 m
PU: 1 m, MOQ: 50

VOL-5UP50-M

Cable FTP, Category 5, LSOH

Volition™ Cat 5 Backbone Cable, FTP, LSOH, 32 pairs, 1 m
PU: 1 m, MOQ: 50

VOL-5EFL32-M



1.1 Copper Cabling

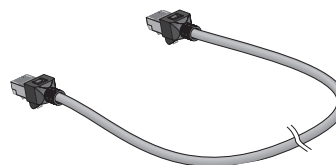
1.1.6 Volition™ Cat 6 RJ45 to RJ45 Patch Cables

Description

Volition™ Cat 6 RJ45 to RJ45 Patch Cable, 100 Ohms

Used for the links between the patch panels and the active elements or for connection of the terminal equipment to the wall socket. The cables are available in various lengths and UTP or SSTP for individual electromagnetic interference requirements. All patch cables can be used with any RJ45 Keystone or Giga Jack / module.

The RJ45/RJ45 Category 6 patch cables complete the EN50173, ISO 11801 or TIA/EIA-568 Class E channel.



Type/Order Text

Ref.-No.

Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH

8 contacts RJ45, equipped with a boot, Colour: turquoise

Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 0,5 m	PU: 1, MOQ: 12	VOL-6UL-L0.5
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 1 m	PU: 1, MOQ: 12	VOL-6UL-L1
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 2 m	PU: 1, MOQ: 12	VOL-6UL-L2
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 3 m	PU: 1, MOQ: 12	VOL-6UL-L3
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 5 m	PU: 1, MOQ: 6	VOL-6UL-L5

Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, PVC,

8 contacts RJ45, equipped with a boot, Colour: turquoise

Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, PVC, 0,5 m	PU: 1, MOQ: 12	VOL-6UP-L0.5
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, PVC, 1 m	PU: 1, MOQ: 12	VOL-6UP-L1
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, PVC, 2 m	PU: 1, MOQ: 12	VOL-6UP-L2
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, PVC, 3 m	PU: 1, MOQ: 12	VOL-6UP-L3
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, PVC, 5 m	PU: 1, MOQ: 6	VOL-6UP-L5

Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH,

Shielded RJ45, equipped with a boot, Colour: turquoise

Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 0,5 m	PU: 1, MOQ: 12	VOL-6SSL-L0.5
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 1 m	PU: 1, MOQ: 12	VOL-6SSL-L1
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 2 m	PU: 1, MOQ: 12	VOL-6SSL-L2
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 3 m	PU: 1, MOQ: 12	VOL-6SSL-L3
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 5 m	PU: 1, MOQ: 6	VOL-6SSL-L5

1.1 Copper Cabling

1.1.6 Volition™ Cat 6 RJ45 to RJ45 Patch Cables

Type/Order Text

Ref.-No.

Volition™ Cat 6 RJ45 to RJ45 Patch Cable, 100 Ohms

Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH,
8 contacts RJ45, equipped with a boot, various colours

Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 0,5m, red	PU: 1, MOQ: 12	VOL-6SSL-L0.5-R
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 1m, red	PU: 1, MOQ: 12	VOL-6SSL-L1-R
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 2m, red	PU: 1, MOQ: 12	VOL-6SSL-L2-R
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 3m, red	PU: 1, MOQ: 12	VOL-6SSL-L3-R
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 5m, red	PU: 1, MOQ: 6	VOL-6SSL-L5-R
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 0,5m, yellow	PU: 1, MOQ: 12	VOL-6SSL-L0.5-Y
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 1m, yellow	PU: 1, MOQ: 12	VOL-6SSL-L1-Y
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 2m, yellow	PU: 1, MOQ: 12	VOL-6SSL-L2-Y
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 3m, yellow	PU: 1, MOQ: 12	VOL-6SSL-L3-Y
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 5m, yellow	PU: 1, MOQ: 6	VOL-6SSL-L5-Y
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 0,5m, green	PU: 1, MOQ: 12	VOL-6SSL-L0.5-GR
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 1m, green	PU: 1, MOQ: 12	VOL-6SSL-L1-GR
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 2m, green	PU: 1, MOQ: 12	VOL-6SSL-L2-GR
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 3m, green	PU: 1, MOQ: 12	VOL-6SSL-L3-GR
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 5m, green	PU: 1, MOQ: 6	VOL-6SSL-L5-GR
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 0,5m, blue	PU: 1, MOQ: 12	VOL-6SSL-L0.5-B
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 1m, blue	PU: 1, MOQ: 12	VOL-6SSL-L1-B
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 2m, blue	PU: 1, MOQ: 12	VOL-6SSL-L2-B
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 3m, blue	PU: 1, MOQ: 12	VOL-6SSL-L3-B
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 5m, blue	PU: 1, MOQ: 6	VOL-6SSL-L5-B
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 0,5m, white	PU: 1, MOQ: 12	VOL-6SSL-L0.5W
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 1m, white	PU: 1, MOQ: 12	VOL-6SSL-L1W
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 2m, white	PU: 1, MOQ: 12	VOL-6SSL-L2W
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 3m, white	PU: 1, MOQ: 12	VOL-6SSL-L3W
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, SSTP, LSOH, 5m, white	PU: 1, MOQ: 6	VOL-6SSL-L5W

Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH,
8 contacts RJ45, equipped with a boot, various colours

Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 0,5m, black		VOL-6UP-L0.5-BK
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 1m, black		VOL-6UP-L1-BK
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 2m, black		VOL-6UP-L2-BK
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 3m, black		VOL-6UP-L3-BK
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 5m, black		VOL-6UP-L5-BK

1.1 Copper Cabling

1.1.6 Volition™ Cat 6 RJ45 to RJ45 Patch Cables



Type/Order Text

Ref.-No.

Volition™ Cat 6 RJ45 to RJ45 Patch Cable, 100 Ohms

Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 0,5 m, red	VOL-6UL-L0.5R
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 1 m, red	VOL-6UL-L1R
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 2 m, red	VOL-6UL-L2R
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 3 m, red	VOL-6UL-L3R
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 5 m, red	VOL-6UL-L5R
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 0,5 m, yellow	VOL-6UL-L0.5Y
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 1 m, yellow	VOL-6UL-L1Y
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 2 m, yellow	VOL-6UL-L2Y
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 3 m, yellow	VOL-6UL-L3Y
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 5 m, yellow	VOL-6UL-L5Y
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 0,5 m, green	VOL-6UL-L0.5G
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 1 m, green	VOL-6UL-L1G
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 2 m, green	VOL-6UL-L2G
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 3 m, green	VOL-6UL-L3G
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 5 m, green	VOL-6UL-L5G
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 0,5 m, blue	VOL-6UL-L0.5B
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 1 m, blue	VOL-6UL-L1B
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 1,5m, blue	VOL-6UL-L1,5B
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 2 m, blue	VOL-6UL-L2B
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 3 m, blue	VOL-6UL-L3B
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 5 m, blue	VOL-6UL-L5B
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 7 m, blue	VOL-6UL-L7B
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 1 m, white	VOL-6UL-L1W
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 1,5 m, white	VOL-6UL-L1.5W
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 2 m, white	VOL-6UL-L2W
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 3 m, white	VOL-6UL-L3W
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 5 m, white	VOL-6UL-L5W
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 7 m, white	VOL-6UL-L7W
Volition™ Cat 6 RJ45 to RJ45 Patch Cable, UTP, LSOH, 10 m, white	VOL-6UL-L10W

1.1 Copper Cabling

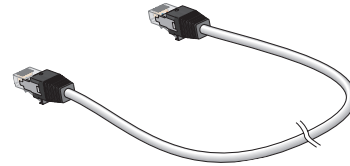
1.1.6 Volition™ Cat 5e RJ45 to RJ45 Patch Cables

Description

Volition™ Cat 5e RJ45 to RJ45 Patch Cable, 100 Ohms

Used for the links between the patch panels and the active elements or for connection of the terminal equipment to the wall socket. The cables are available in various lengths and UTP or SFTP for individual electromagnetic interference requirements. All patch cables can be used with any RJ45 Keystone or Giga Jack / module.

The RJ45/RJ45 Category 5e patch cables complete the EN50173, ISO 11801 or TIA/EIA-568 Class D channel.



Type/Order Text

Ref.-No.

Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH,
8 contacts RJ45, equipped with a boot, Colour: grey

Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 0,5 m	PU: 1, MOQ: 12	VOL-5EUL-L0.5
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 1 m	PU: 1, MOQ: 12	VOL-5EUL-L1
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 2 m	PU: 1, MOQ: 12	VOL-5EUL-L2
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 3 m	PU: 1, MOQ: 12	VOL-5EUL-L3
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 5 m	PU: 1, MOQ: 6	VOL-5EUL-L5

Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, PVC,
8 contacts RJ45, equipped with a boot, Colour: grey

Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, PVC, 0,5 m	PU: 1, MOQ: 12	VOL-5EUP-L0.5
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, PVC, 1 m	PU: 1, MOQ: 12	VOL-5EUP-L1
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, PVC, 2 m	PU: 1, MOQ: 12	VOL-5EUP-L2
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, PVC, 3 m	PU: 1, MOQ: 12	VOL-5EUP-L3
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, PVC, 5 m	PU: 1, MOQ: 6	VOL-5EUL-L5

1.1 Copper Cabling

1.1.6 Volition™ Cat 5e RJ45 to RJ45 Patch Cables



Type/Order Text

Ref.-No.

Volition™ Cat 5e RJ45 to RJ45 Patch Cable, 100 Ohms

Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH,
8 contacts RJ45, equipped with a boot, various colours

Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 0,5 m, red	PU: 1, MOQ: 12	VOL-5EUL-L0.5-R
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 1 m, red	PU: 1, MOQ: 12	VOL-5EUL-L1-R
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 2 m, red	PU: 1, MOQ: 12	VOL-5EUL-L2-R
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 3 m, red	PU: 1, MOQ: 12	VOL-5EUL-L3-R
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 5 m, red	PU: 1, MOQ: 6	VOL-5EUL-L5-R
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 0,5 m, yellow	PU: 1, MOQ: 12	VOL-5EUL-L0.5-Y
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 1 m, yellow	PU: 1, MOQ: 12	VOL-5EUL-L1-Y
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 2 m, yellow	PU: 1, MOQ: 12	VOL-5EUL-L2-Y
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 3 m, yellow	PU: 1, MOQ: 12	VOL-5EUL-L3-Y
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 5 m, yellow	PU: 1, MOQ: 6	VOL-5EUL-L5-Y
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 0,5 m, green	PU: 1, MOQ: 12	VOL-5EUL-L0.5-GR
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 1 m, green	PU: 1, MOQ: 12	VOL-5EUL-L1-GR
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 2 m, green	PU: 1, MOQ: 12	VOL-5EUL-L2-GR
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 3 m, green	PU: 1, MOQ: 12	VOL-5EUL-L3-GR
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 5 m, green	PU: 1, MOQ: 6	VOL-5EUL-L5-GR
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 0,5 m, blue	PU: 1, MOQ: 12	VOL-5EUL-L0.5-B
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 1 m, blue	PU: 1, MOQ: 12	VOL-5EUL-L1-B
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 2 m, blue	PU: 1, MOQ: 12	VOL-5EUL-L2-B
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 3 m, blue	PU: 1, MOQ: 12	VOL-5EUL-L3-B
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, UTP, LSOH, 5 m, blue	PU: 1, MOQ: 6	VOL-5EUL-L5-B

Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH

Shielded RJ45, Equipped with a boot, Colour: Grey

Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 0,5 m	PU: 1, MOQ: 12	VOL-5EFL-L0.5
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 1 m	PU: 1, MOQ: 12	VOL-5EFL-L1
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 2 m	PU: 1, MOQ: 12	VOL-5EFL-L2
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 3 m	PU: 1, MOQ: 12	VOL-5EFL-L3
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 5 m	PU: 1, MOQ: 6	VOL-5EFL-L5

1.1 Copper Cabling

1.1.6 Volition™ Cat 5e RJ45 to RJ45 Patch Cables

Type/Order Text

Ref.-No.

Volition™ Cat 5e RJ45 to RJ45 Patch Cable, 100 Ohms

Volition™ Cat 5e RJ45 to RJ45 Patch Cable, SFTP, LSOH,
Shielded RJ45, Equipped with a boot, Colour: Grey

Volition™ Cat 5e RJ45 to RJ45 Patch Cable, SFTP, LSOH, 0,5 m	PU: 1, MOQ: 12	VOL-5ESFL-L0.5
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, SFTP, LSOH, 1 m	PU: 1, MOQ: 12	VOL-5ESFL-L1
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, SFTP, LSOH, 2 m	PU: 1, MOQ: 12	VOL-5ESFL-L2
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, SFTP, LSOH, 3 m	PU: 1, MOQ: 12	VOL-5ESFL-L3
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, SFTP, LSOH, 5 m	PU: 1, MOQ: 6	VOL-5ESFL-L5

Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH,
8 contacts RJ45, equipped with a boot, various colours

Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 0,5 m, red	PU: 1, MOQ: 12	VOL-5EFL-L0.5-R
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 1 m, red	PU: 1, MOQ: 12	VOL-5EFL-L1-R
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 2 m, red	PU: 1, MOQ: 12	VOL-5EFL-L2-R
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 3 m, red	PU: 1, MOQ: 12	VOL-5EFL-L3-R
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 5 m, red	PU: 1, MOQ: 6	VOL-5EFL-L5-R
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 0,5 m, yellow	PU: 1, MOQ: 12	VOL-5EFL-L0.5-Y
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 1 m, yellow	PU: 1, MOQ: 12	VOL-5EFL-L1-Y
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 2 m, yellow	PU: 1, MOQ: 12	VOL-5EFL-L2-Y
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 3 m, yellow	PU: 1, MOQ: 12	VOL-5EFL-L3-Y
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 5 m, yellow	PU: 1, MOQ: 6	VOL-5EFL-L5-Y
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 0,5 m, green	PU: 1, MOQ: 12	VOL-5EFL-L0.5-GR
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 1 m, green	PU: 1, MOQ: 12	VOL-5EFL-L1-GR
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 2 m, green	PU: 1, MOQ: 12	VOL-5EFL-L2-GR
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 3 m, green	PU: 1, MOQ: 12	VOL-5EFL-L3-GR
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 5 m, green	PU: 1, MOQ: 6	VOL-5EFL-L5-GR
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 0,5 m, blue	PU: 1, MOQ: 12	VOL-5EFL-L0.5-B
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 1 m, blue	PU: 1, MOQ: 12	VOL-5EFL-L1-B
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 2 m, blue	PU: 1, MOQ: 12	VOL-5EFL-L2-B
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 3 m, blue	PU: 1, MOQ: 12	VOL-5EFL-L3-B
Volition™ Cat 5e RJ45 to RJ45 Patch Cable, FTP, LSOH, 5 m, blue	PU: 1, MOQ: 6	VOL-5EFL-L5-B



1.2 Fibre Cabling

1.2.1 Volition™ VF-45™ Socket/Field Mount Plug

Description

VF-45™ Socket

The Volition socket is part of the latest duplex, small form factor fibre optic interconnect. Applications include affordable, high bandwidth systems, fibre-to-the-desk networks, fibre backbone systems, fibre LANs and storage area networks.

The VF-45 plug and socket work like an 8-pin modular jack, bringing the simplicity of the RJ45 jack to optical fibre applications.

Highlights:

- Simple installation using an unique termination process
- No expensive ceramic parts
- Footprint dimensions of a RJ45 copper connector
- High density of duplex connections
- Integral dust protection

Type/Order Text

Ref.-No.



VF-45 Socket, Multimode
including fibre holder
PU: 96 Units, MOQ:1 PU

VOL-0001



VF-45 Socket, Single-mode
including fibre holder
PU: 96 Units, MOQ: 1 PU

VOL-0002



**Fibreholder for VF-45 Socket,
Multimode and Single-mode**
Spare Part for VOL-0001 and VOL-0002
PU: 24 Units, MOQ: 4 PU

VOL-0011



VF-45 Field Mount Plug
62,5/125µm, PU: 12 pcs

VOL-FMP612

VF-45 Field Mount Plug
50/125µm, PU: 12 pcs

VOL-FMP512



VF-45 Field Mount Plug Activation Tool
PU: 1 pc

VOL-0563A

1.2 Fibre Cabling

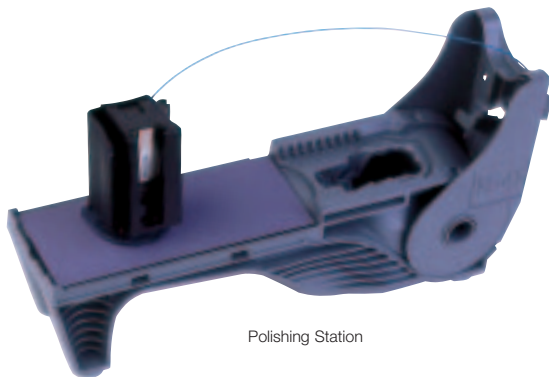
1.2.1 Volition™ VF-45™

Tools and Consumables

Description

VF-45 Tools and Consumables

The VOL-0562 socket termination kit contains all the materials necessary to install VF-45 sockets onto duplex fibre optic cable. Cable and fibre strippers, polishing and socket assembly fixture and inspection viewer - all fit into a compact carrying case. The termination kit works in concert with the 'snap together' design of the socket to eliminate many of the steps and much of the labour associated with traditional fibre optic terminations. With the VF-45 socket termination kit, you can complete fibre installations faster and easier; duplex fibre terminations can be completed in less than two minutes.



Polishing Station



Volition™ VF-45™ Quick Install Termination Kit with™ VF-45™ Socket



Microscope 100x

Type/Order text

Ref.-No.



VF-45 Quick Install Termination Kit, complete with 100x dual light microscope

VOL-0563

PU: 1pc
MOQ: 1pc

Tool Pouch

PU: 1 MOQ: 1

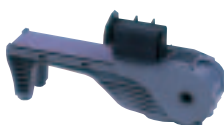
VOL-0562M



Microscope, dual light

PU: 1 pc MOQ: 1 pc

VOL-0563M













Polishing Station Sub Assembly

PU: 1 pc MOQ: 1 pc

VOL-0562H

1.2 Fibre Cabling

1.2.1 Volition™ VF-45™ Tools and Consumables

Type/Order Text	Ref.-No.
 <p>Polishing Puck Assembly PU: 1 MOQ: 1</p>	VOL-0560F
 <p>Lapping Film 2 x 5 sheets PU: 10 MOQ: 50</p>	VOL-0562K
 <p>Jacket Stripper PU: 1 MOQ: 1</p>	VOL-560A
 <p>Kevlar Scissors PU: 1 MOQ: 1</p>	VOL-0560B
 <p>Micromodule Stripper PU: 1 MOQ: 1</p>	VOL-0560C
 <p>Fibre Stripper, 250µ coating PU: 1 MOQ: 1</p>	VOL-0560D
 <p>Bottle, Alcohol (empty) PU: 12 MOQ: 1</p>	VOL-0560R
 <p>Cleaning Wires PU: 1 MOQ: 1</p>	VOL-0560W
 <p>Cotton Swabs PU: 1000 MOQ: 1</p>	VOL-0560N
 <p>Lint Free Wipes PU: 1000 MOQ: 1</p>	05-00017
<p>Quick Polish Cleave Button PU: 1 MOQ: 1</p>	VOL-0562J
<p>Polishing Puck Face PU: 12 MOQ: 1</p>	VOL-0560G

1.2 Fibre Cabling

1.2.1 Volition™ VF-45™

Tools and Consumables

Description

Volition™ Cleaning Kits

The VOL-0570 maintenance cleaning kit keeps VF-45 fibre inter-connects in wall boxes, patch panels or electronic equipment operating at a 'just installed' optical performance level. The system comprises a spray bottle of Volition HFE-based cleaning fluid and separate attachments designed for VF-45 socket and plug insertions. HFE based cleaning fluid is non-flammable and non-conductive. The maintenance cleaning kit is convenient, effective and a

quick way to clean fibres and faces, without disassembly from face plates or panels.

To complement the VOL-0570, the VOL-0570B allows the cleaning of both fibres in VF-45 test leads. This kit provides a convenient, effective and quick way to clean both fibres in plugs on patch cords and reference test leads.



Volition™ VF-45™ Maintenance Cleaning Kit



Volition™ VF-45™ Mechanical Plug Cleaner

Type/Order text

Ref.-No.



VF-45 Maintenance Cleaning Kit,

Incl. Cleaning Fluid

PU: 1 MOQ: 1

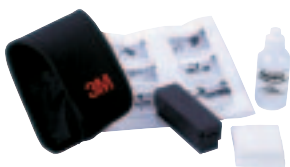
VOL-0573

VF-45 Cleaning Fluid

Bottle, 473 ml

PU: 12 MOQ: 1

VOL-0570A



VF-45 Mechanical Plug Cleaner

PU: 1 MOQ: 1

VOL-0570B

Cleaning Tissues for VF-45 Plug Cleaner

PU: 200 MOQ: 1

VOL-0570C

1.2 Fibre Cabling

1.2.2 Volition™ Outlets and Faceplates

Type/Order text

Ref.-No.

Outlets and faceplates for wall and trunking mounting

Wall Mount

Volition wall mount outlets can house up to two VF-45 sockets; one VF-45 and one RJ45 or two RJ45 sockets, providing they employ keystone latching and that they are a compatible size.

Flush Mount

The VOL-0257 flush mount outlet comprises a 45 x 90mm clip-in module that is used in conjunction with a separately supplied mounting and faceplates. Typically used in trunking or pillar applications, it can house up to two VF-45 sockets.

Furniture

Volition modular furniture outlets will house a maximum of two VF-45 sockets. To save space, the VF-45 plug lays parallel to the furniture partition. The outlets are available in a variety of colours.

Multiway

The 2552 VF multiway outlet was developed primarily for zone cabling. Up to six VF-45 sockets can be installed. Very easy assembly and clearly laid-out fibre management are combined in this robust plastic box.

Highlights:

- Wall mount outlets available in white or cream
- Guaranteed minimum bend radius of 25mm
- Integrated strain relief for horizontal cables
- Hybrid applications possible
- Compact design of wall mount outlet results in only a 28mm protrusion from the wall

Type/Order text

Ref.-No.



Wall Outlet for 2 x VF-45 Socket

Plastic, white, similar to RAL 9010
Size (H x W x D): 80 x 80 x 28 mm
PU: 48 units, MOQ: 1

VOL-0255W

Wall Outlet for 2 x VF-45 Socket

Plastic, cream, similar to RAL 1013
Size (H x W x D): 80 x 80 x 28 mm
PU: 48 units, MOQ: 1

VOL-0255C

Wall Outlet for 2 x VF-45 Socket

Plastic, white, similar to RAL 9010
Size (H x W x D): 86 x 86 x 28 mm
PU: 48 units, MOQ: 1

VOL-0256W

Flush Mount Outlet for 2 x VF-45 Socket

Plastic, white, similar to RAL 9010
Size: 45 x 90 mm
PU: 48 units, MOQ: 1

VOL-0257W

Furniture Outlet for 2 x VF-45 Socket

Plastic White

Plastic Grey

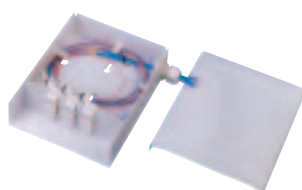
Plastic Black

Size: 118 x 75 x 30 mm
PU: 48 units, MOQ: 1

VOL-0350W

VOL-0350G

VOL-0350B



Further Information on 2552SA see page 112.

1.2 Fibre Cabling

1.2.3 Volition™ 19" Patch Panels

Volition™ Wall Mount Patch Panels

Description

Volition™ 19" Patch Panel / Volition™ Wall Mount Patch Panels

The Volition patch panel range offers a suitable patch panel for every installation requirement. The 'flush mount' technology of the VF-45™ sockets provides a smart and maximum port density solution resulting in efficient use of the space available in the 19" rack.

Highlights:

- Versions ranging from 1U, 24 ports to 3U, 72 ports
- Colour: - cream, similar to RAL 1013
- Internal features to ensure secure fixing of incoming cables and correct storage of excess fibre
- Sliding drawer feature for easy access

Wall mount patch panels are manufactured in powder coated sheet metal and can be easily fixed using four screws to the wall. A hinged front cover provides access to the VF-45 sockets and can be locked using a padlock (not supplied) for extra security.

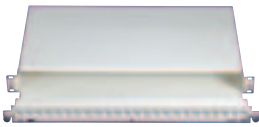
The wall patch panels are available in 3 sizes, for 6, 12 and 24 ports and are made to facilitate the fast mounting of VF-45 sockets.

Highlights:

- Simple installation of the VF-45 sockets
- Easy cable management
- Powder coated, cream similar to RAL:1013

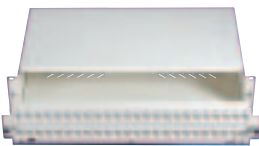
Type/Order Text

Ref.-No.



Patch Panel, 24 Ports, 1U
sliding drawer version, PU: 1, MOQ:1

VOL-430-ES



Patch Panel, 48 Ports, 2U
sliding drawer version, PU: 1, MOQ:1

VOL-432-ES



Patchcord Management - Panel - 1
PU: 1, MOQ: 1

VOL-499-E



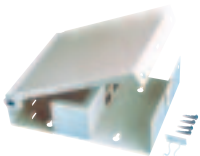
Blanking plug for VF-45 Ports, PU: 50, MOQ: 1

Bright White

VOL-0300B

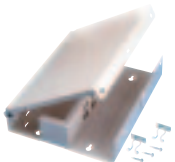
Black

VOL-0300BK



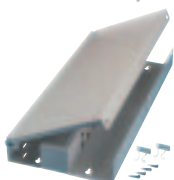
Wall Patch Panel, 6 Ports, 12 Fibre
Size (WxHxD): 198,1 x 162,8 x 54 mm
PU: 1, MOQ: 1

VOL-0406B



Wall Patch Panel, 12 Ports, 24 Fibre
Size (WxHxD): 198,1 x 254,8 x 54 mm
PU: 1, MOQ: 1

VOL-0412B



Wall Patch Panel, 24 Ports, 48 Fibre
Size (WxHxD): 198,1 x 438,8 x 54 mm
PU: 1, MOQ: 1

VOL-0424B

1.2 Fibre Cabling

1.2.4 Volition™ Installation Indoor

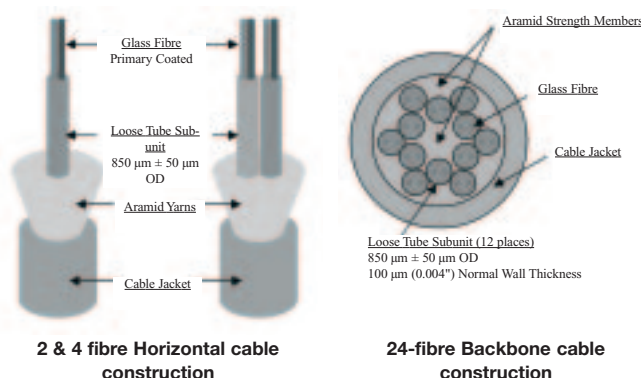
Cable 50/125µm, 62,5/125µm, 9/125µm

Description

Indoor, horizontal and backbone cable

All 50/125 Volition™ multimode indoor cables are in accordance with the latest OM2 specifications as described in ISO 11801. Their bandwidth x length product is 500 MHz x km at 850nm and 800 MHz x km at 1300nm. Selected types are also available with OM3 rated fibre with a bandwidth x length product of 1500/500 MHz x km (OFL) and 2000/500 MHz x km (effective LASER launch) at 850/1300nm wavelengths.

These features make Volition OM2 fibre cable the perfect medium for Gigabit-Ethernet (1000 Base-SX and 1000 Base-LX) applications. Cables with OM3 fibre are optimized for applications in the first optical window and are therefore ideal for 10 Gigabit/s transmission links. Distances of up to 550 m at Gigabit Ethernet speeds (1000 Base-SX) and up to 300 m at 10 Gigabit/s (10G Base-SX) can easily be achieved.



For details of how to order plenum and riser rated horizontal or backbone cable consult your local sales office.

Fibre Specifications

-Fibre	OM2	OM3
50/125µm	Bandwidth ≥ 500 MHz x km @ 850nm ≥ 800 MHz x km @ 1300nm	Bandwidth (OFL) ≥ 1500 MHz x km @ 850nm ≥ 500 MHz x km @ 1300nm Bandwidth (Laser Launch) ≥ 2000 MHz x km @ 850 nm
	Attenuation Indoor Cables ≤ 3,5 dB/km @ 850 nm ≤ 1,2 dB/km @ 1300 nm Attenuation Indoor/Outdoor Cables ≤ 2,7 dB/km @ 850 nm ≤ 0,8 dB/km @ 1300 nm Numerical Aperture 0,200 ± 0,015 Index of refraction 1,482 @ 850 nm 1,477 @ 1300nm	Attenuation Indoor Cables ≤ 3,0 dB/km @ 850 nm ≤ 1,0 dB/km @ 1300 nm Attenuation Indoor/Outdoor Cables ≤ 3,0 dB/km @ 850 nm ≤ 1,0 dB/km @ 1300 nm Numerical Aperture 0,200 ± 0,015 Index of refraction 1,482 @ 850 nm 1,477 @ 1300nm
	OM1	
62,5/125µm	Bandwidth ≥ 200 MHz x km @ 850nm ≥ 500 MHz x km @ 1300nm Attenuation Indoor Cables ≤ 3,5 dB/km @ 850 nm ≤ 1,0 dB/km @ 1300 nm Attenuation Indoor/Outdoor Cables ≤ 3,2 dB/km @ 850 nm ≤ 1,0 dB/km @ 1300 nm	
	Attenuation Indoor Cables ≤ 0,7 dB/km @ 1310 nm ≤ 0,7 dB/km @ 1550 nm Attenuation Indoor/Outdoor Cables ≤ 0,4 dB/km @ 1310 nm ≤ 0,25 dB/km @ 1550 nm	
9/125µm	Attenuation Indoor Cables ≤ 0,7 dB/km @ 1310 nm ≤ 0,7 dB/km @ 1550 nm Attenuation Indoor/Outdoor Cables ≤ 0,4 dB/km @ 1310 nm ≤ 0,25 dB/km @ 1550 nm	

1.2 Fibre Cabling

1.2.4 Volition™ Installation Indoor Cable 50/125µm

Description

Indoor, horizontal and backbone cable Multimode

Volition™ Indoor cables are in compliance with all existing industry standards. Each pair of 250 µm coated fibres is contained within a separate buffer tube, which allows for simpler and quicker terminations into the VF-45 socket. This and the easy to use colour coding enable easy installation as well as convenient cable management.

Notes:

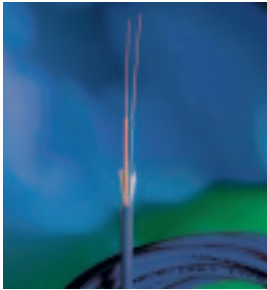
1. Cable colour is blue for 50/125 µm and 62,5/125 µm cable and green for 9/125 µm cable
2. The short term bend radius is under installation conditions

Highlights:

- Small cable diameter
- Produced to industry standards
- Two fibres per soft buffer tube
- Colour coded fibres
- Low friction jacket on backbone cables
- Available in both multimode and singlemode

Type/Order Text

Ref.-No.



Indoor horizontal cable

50/125/250µm, LSZH 50/125, 1 x 2 Fibres

PU: 1, MOQ: 1

Length: 1000 m

VOL-H52L1

Indoor horizontal cable

50/125/250µm, LSZH 50/125, 2 x 2 Fibres

PU: 1, MOQ: 1

Length: 1000 m

VOL-H54L1

Indoor horizontal cable OM3

50/125/250µm, LSZH 50/125, 2 x 2 Fibres

PU: 1, MOQ: 1

Length: 1000 m

VOL-H54L1MC

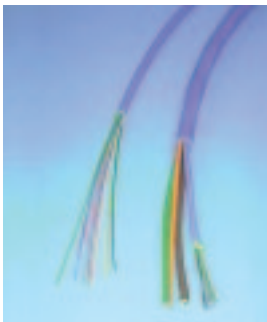
Indoor Cable for horizontal and backbone cabling

50/125/250µm, LSZH 50/125, 6 Fibres

PU: 1, MOQ: 1

Length: 1000 m

VOL-B56L1



Indoor Backbone Cable

50/125/250µm, LSZH 50/125, 12 Fibres

PU: 1, MOQ: 1

Length: 1000 m

VOL-B512L1

Length: 500 m

VOL-B512L0,5

Indoor Backbone Cable

50/125/250µm, LSZH 50/125, 24 Fibres

PU: 1, MOQ: 1

Length: 1000 m

VOL-B524L1

Length: 500 m

VOL-B524L0,5

Indoor Backbone Cable

50/125/250µm, LSZH 50/125, 48 Fibres

PU: 1, MOQ: 1

Length: 1000 m

VOL-B548L1

Length: 500 m

VOL-B548L0,5

Indoor Backbone Cable

50/125/250µm, LSZH 50/125, 72 Fibres

PU: 1, MOQ: 1

Length: 1000 m

VOL-B572L1

Length: 500 m

VOL-B572L0,5

Indoor Backbone Cable

50/125/250µm, LSZH 50/125, 96 Fibres

PU: 1, MOQ: 1

Length: 1000 m

VOL-B596L1

Length: 500 m

VOL-B596L0,5

1.2 Fibre Cabling

1.2.4 Volition™ Installation Indoor Cable 62,5/125µm

Description

Indoor, horizontal and backbone cable Multimode

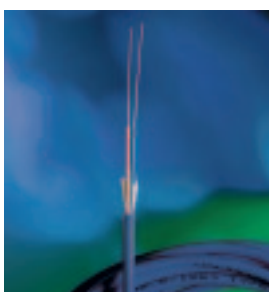
Volition™ Indoor cables are in compliance with all existing industry standards. Each pair of 250 µm coated fibres is contained within a separate buffer tube, which allows for simpler and quicker terminations into the VF-45 socket. This and the easy to use colour coding enable easy installation as well as convenient cable management.

Highlights:

- Produced to industry standards
- Two fibres per soft buffer tube
- Colour coded fibres
- Low friction jacket on backbone cables
- Available in both multimode and singlemode

Type/Order Text

Ref.-No.



Indoor Backbone Cable

62,5/125/250µm, LSZH 62,5/125, 1 x 2 Fibres
PU: 1, MOQ: 1 Length: 1000 m

VOL-H62L1

Indoor Backbone Cable

62,5/125/250µm, LSZH 62,5/125, 2 x 2 Fibres
PU: 1, MOQ: 1 Length: 1000 m

VOL-H64L1

Indoor Cable for horizontal and backbone cabling

62,5/125/250µm, LSZH 62,5/125, 6 Fibres
PU: 1, MOQ: 1 Length: 1000 m

VOL-H66L1



Indoor Backbone Cable

62,5/125/250µm, LSZH 62,5/125, 12 Fibres
PU: 1, MOQ: 1 Length: 1000 m
Length: 500 m

VOL-B612L1
VOL-B612L0,5

Indoor Backbone Cable

62,5/125/250µm, LSZH 62,5/125, 24 Fibres
PU: 1, MOQ: 1 Length: 1000 m
Length: 500 m

VOL-B624L1
VOL-B624L0,5

Indoor Backbone Cable

62,5/125/250µm, LSZH 62,5/125, 48 Fibres
PU: 1, MOQ: 1 Length: 1000 m
Length: 500 m

VOL-B648L1
VOL-B648L0,5

Indoor Backbone Cable

62,5/125/250µm, LSZH 62,5/125, 72 Fibres
PU: 1, MOQ: 1 Length: 1000 m
Length: 500 m

VOL-B672L1
VOL-B672L0,5

Indoor Backbone Cable

62,5/125/250µm, LSZH 62,5/125, 96 Fibres
PU: 1, MOQ: 1 Length: 1000 m
Length: 500 m

VOL-B696L1
VOL-B696L0,5

1.2 Fibre Cabling

1.2.4 Volition™ Installation Indoor Cable 9/125µm

Description

Indoor, horizontal and backbone cable Singlemode

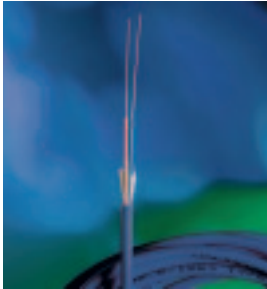
Volition™ Indoor cables are in compliance with all existing industry standards. Each pair of 250 µm coated fibres is contained within a separate buffer tube, which allows for simpler and quicker terminations into the VF-45 socket. This and the easy to use colour coding enable easy installation as well as convenient cable management.

Highlights:

- Produced to industry standards
- Two fibres per soft buffer tube
- Colour coded fibres
- Low friction jacket on backbone cables
- Available in both multimode and singlemode

Type/Order Text

Ref.-No.



Indoor horizontal cable

9/125/250 µm, LSZH 9/125, 1 x 2 Fibres

PU: 1, MOQ: 1

Length: 1000 m

VOL-H92L1

Indoor horizontal cable

9/125/250 µm, LSZH 9/125, 2 x 2 Fibres

PU: 1, MOQ: 1

Length: 1000 m

VOL-H94L1

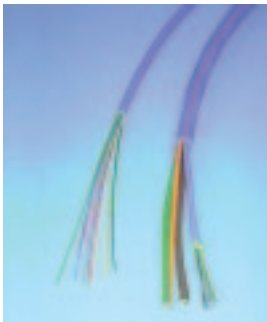
Indoor Cable for horizontal and backbone cabling

9/125/250 µm, LSZH 9/125, 6 Fibres

PU: 1, MOQ: 1

Length: 1000 m

VOL-B96L1



Indoor Backbone cable

9/125/250 µm, LSZH 9/125, 12 Fibres

PU: 1, MOQ: 1

Length: 1000 m

VOL-B912L1

Indoor Backbone cable

9/125/250 µm, LSZH 9/125, 24 Fibres

PU: 1, MOQ: 1

Length: 1000 m

VOL-B924L1

Indoor Backbone cable

9/125/250 µm, LSZH 9/125, 48 Fibres

PU: 1, MOQ: 1

Length: 1000 m

VOL-B948L1

Indoor Backbone cable

9/125/250 µm, LSZH 9/125, 72 Fibres

PU: 1, MOQ: 1

Length: 1000 m

VOL-B972L1

Indoor Backbone cable

9/125/250 µm, LSZH 9/125, 96 Fibres

PU: 1, MOQ: 1

Length: 1000 m

VOL-B996L1

1.2 Fibre Cabling

1.2.4 Volition™ Installation Indoor/Outdoor Cable, 50/125/250µm

Description

Indoor / Outdoor Cable



The Volition Indoor / Outdoor fibre optic cable includes both horizontal and backbone cable with either 50/125µm, 62,5/125µm multimode or 9/125µm singlemode fibre.

The primary application of the cable is for indoor and outdoor installations into cable trays or ducts in LAN's. All cable sheaths are LSZH (low smoke zero halogen) rated to fulfill the safety requirements for internal cabling.

All cable variants have good resistance to water. The cable core is water resistant which is achieved by a combination of an expanding tape and gel filled tubes allowing for the cables to be installed in areas where water within ducts is a possibility.

Each category of Volition Indoor / Outdoor cable is available in fibre counts ranging from 2 to 144 fibres.

Other constructions are available upon request.

Highlights:

- Cable construction fully dielectric for immunity against lightning
- All tubes containing fibres are gel filled for protection against water
- The cable core is protected against water ingress by an expanding tape.
- UV stabilised sheath makes the cable suitable for external use
- Fibres are colour coded for fast installation and organisation
- Operational temperature for 2 to 24 fibre cables: -30°C to 60°C; max attenuation variation is 0.5 dB/km (up to the max specified value - Aramid yarn only)
- Operational temperature for 48 to 144 fibre cables: -40°C to 60°C; max attenuation variation is 0.1 dB/km (up to the max specified value)

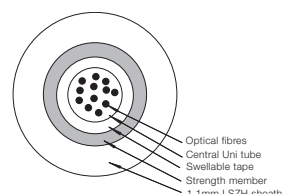
Fibre Specification:

Type	Attenuation	Bandwidth	Index of Refraction
50/125µm Multimode OM2	≤ 2,7 dB/km @ 850 nm	> 500 MHz-km @ 850 nm	1,482
	≤ 0,8 dB/km @ 1300 nm	> 800 MHz-km @ 1300 nm	1,477
62,5/125µm Multimode OM1	≤ 3,2 dB/km @ 850 nm	> 200 MHz-km @ 850 nm	1,496
	≤ 1,0 dB/km @ 1300 nm	> 600 MHz-km @ 1300 nm	1,491
9/125µm Singlemode	≤ 0,40 dB/km @ 1310 nm	Cut off Wavelength	1,467
		Upper Limit 1330 nm Lower Limit 1180 nm	

Type/Order Text

Ref.-No.

Indoor/Outdoor aramid yarn, without rodent protection, multimode



2 to 24 fibres

50/125 µm, 2 fibres

LSZH with aramid yarn, outer diameter: 7 mm
Length: 500 m, PU: 1, MOQ: 1

VOL-IO A52

50/125 µm, 4 fibres

LSZH with aramid yarn, outer diameter: 7 mm
Length: 500 m, PU: 1, MOQ: 1

VOL-IO A54

50/125 µm, 6 fibres

LSZH with aramid yarn, outer diameter: 7 mm
Length: 500 m, PU: 1, MOQ: 1E

VOL-IO A56

50/125 µm, 8 fibres

LSZH with aramid yarn, outer diameter: 7 mm
Length: 500 m, PU: 1, MOQ: 1

VOL-IO A58

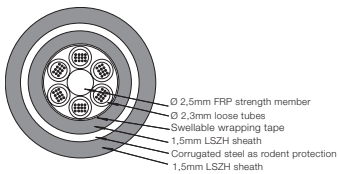
1.2 Fibre Cabling

1.2.4 Volition™ Installation Indoor/Outdoor Cable, 50/125/250µm

Type/Order Text

Ref.-No.

Indoor/Outdoor aramid yarn, without rodent protection, multimode



48 to 144 fibres

50/125 µm, 12 fibres

LSZH with aramid yarn, outer diameter: 7 mm
Length: 500 m, PU: 1, MOQ: 1

VOL-IO A512

50/125 µm, 24 fibres

LSZH with aramid yarn, outer diameter: 7 mm
Length: 500 m, PU: 1, MOQ: 1

VOL-IO A524

50/125 µm, 48 fibres

LSZH with FRP (Fibreglass Reinforced Plastic),
outer diameter: 10,5 mm, Length: 500 m, PU: 1, MOQ: 1

VOL-IO A548

50/125 µm, 72 fibres

LSZH with FRP (Fibreglass Reinforced Plastic),
outer diameter: 10,5 mm, Length: 2000 m, PU: 1, MOQ: 1

VOL-IO A572

50/125 µm, 96 fibres

LSZH with FRP (Fibreglass Reinforced Plastic),
outer diameter: 12 mm, Length: 2000 m, PU: 1, MOQ: 1

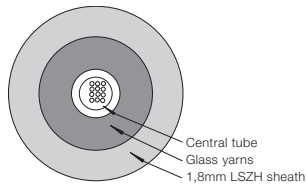
VOL-IO A596

50/125 µm, 144 fibres

LSZH with FRP (Fibreglass Reinforced Plastic),
outer diameter: 15 mm, Length: 2000 m, PU: 1, MOQ: 1

VOL-IO A5144

Indoor/Outdoor Glass yarn cables, with light rodent protection, multimode



2 to 24 fibres

50/125 µm, 4 fibres

LSZH with glass yarn, outer diameter: 11 mm
Length: 500 m, PU: 1, MOQ: 1

VOL-IO G54

50/125 µm, 6 fibres

LSZH with glass yarn, outer diameter: 11 mm
Length: 500 m, PU: 1, MOQ: 1

VOL-IO G56

50/125 µm, 8 fibres

LSZH with glass yarn, outer diameter: 11 mm
Length: 4000 m, PU: 1, MOQ: 1

VOL-IO G58

50/125 µm, 12 fibres

LSZH with glass yarn, outer diameter: 11 mm
Length: 500 m, PU: 1, MOQ: 1

VOL-IO G512

50/125 µm, 24 fibres

LSZH with glass yarn, outer diameter: 11 mm
Length: 500 m, PU: 1, MOQ: 1

VOL-IO G524

50/125 µm, 48 fibres

LSZH with glass yarn and FRP (Fibreglass Reinforced Plastic)
outer diameter: 13,5 mm, Length: 500 m, PU: 1, MOQ: 1

VOL-IO G548

50/125 µm, 72 fibres

LSZH with glass yarn and FRP (Fibreglass Reinforced Plastic)
outer diameter: 13,5 mm, Length: 2000 m, PU: 1, MOQ: 1

VOL-IO G572

50/125 µm, 96 fibres

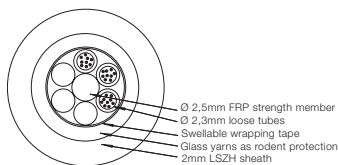
LSZH with glass yarn and FRP (Fibreglass Reinforced Plastic)
outer diameter: 15 mm, Length: 2000 m, PU: 1, MOQ: 1

VOL-IO G596

50/125 µm, 144 fibres

LSZH with glass yarn and FRP (Fibreglass Reinforced Plastic)
outer diameter: 18 mm, Length: 2000 m, PU: 1, MOQ: 1

VOL-IO G5144



48 to 144 fibres

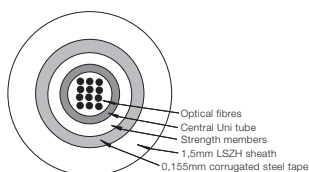
1.2 Fibre Cabling

1.2.4 Volition™ Installation Indoor/Outdoor Cable, 50/125µm

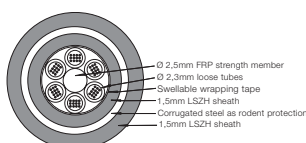
Type/Order Text

Ref.-No.

Indoor/Outdoor cables with corrugated steel armouring for full rodent protection, multimode



2 to 24 fibres



48 to 144 fibres

50/125 µm, 4 fibres LSZH with aramid yarn and corrugated steel outer diameter: 8,5 mm Length: 4000 m, PU: 1, MOQ: 1	VOL-IO S54
50/125 µm, 6 fibres LSZH with aramid yarn and corrugated steel outer diameter: 8,5 mm Length: 4000 m, PU: 1, MOQ: 1	VOL-IO S56
50/125 µm, 8 fibres LSZH with aramid yarn and corrugated steel outer diameter: 8,5 mm Length: 4000 m, PU: 1, MOQ: 1	VOL-IO S58
50/125 µm, 12 fibres LSZH with aramid yarn and corrugated steel outer diameter: 8,5 mm Length: 4000 m, PU: 1, MOQ: 1	VOL-IO S512
50/125 µm, 24 fibres LSZH with aramid yarn and corrugated steel outer diameter: 9,5 mm Length: 4000 m, PU: 1, MOQ: 1	VOL-IO S524
50/125 µm, 48 fibres LSZH with corrugated steel outer diameter: 14,5 mm, Length: 2000 m, PU: 1, MOQ: 1	VOL-IO S548
50/125 µm, 72 fibres LSZH with corrugated steel outer diameter: 14,5 mm, Length: 2000 m, PU: 1, MOQ: 1	VOL-IO S572
50/125 µm, 96 fibres LSZH with corrugated steel outer diameter: 16,5 mm, Length: 2000 m, PU: 1, MOQ: 1	VOL-IO S596
50/125 µm, 144 fibres LSZH with corrugated steel outer diameter: 22,5 mm, Length: 2000 m, PU: 1, MOQ: 1E	VOL-IO S5144

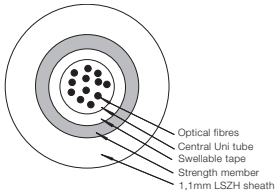
1.2 Fibre Cabling

1.2.4 Volition™ Installation Indoor/Outdoor Cable, 62,5/125/250µm

Type/Order Text

Ref.-No.

Indoor/Outdoor aramid yarn, without rodent protection, multimode



2 to 24 fibres

62,5/125 µm, 2 fibres

LSZH with aramid yarn, outer diameter: 7 mm
Length: 500 m, PU: 1, MOQ: 1

VOL-IO A62

62,5/125 µm, 4 fibres

LSZH with aramid yarn, outer diameter: 7 mm
Length: 500 m, PU: 1, MOQ: 1

VOL-IO A64

62,5/125 µm, 6 fibres

LSZH with aramid yarn, outer diameter: 7 mm
Length: 500 m, PU: 1, MOQ: 1

VOL-IO A66

62,5/125 µm, 8 fibres

LSZH with aramid yarn, outer diameter: 7 mm
Length: 500 m, PU: 1, MOQ: 1

VOL-IO A68

62,5/125 µm, 12 fibres

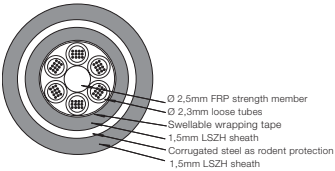
LSZH with aramid yarn, outer diameter: 7 mm
Length: 500 m, PU: 1, MOQ: 1

VOL-IO A612

62,5/125 µm, 24 fibres

LSZH with aramid yarn, outer diameter: 8 mm
Length: 500 m, PU: 1, MOQ: 1

VOL-IO A624



48 to 144 fibres

62,5/125 µm, 48 fibres

LSZH with FRP (Fibreglass Reinforced Plastic)
outer diameter: 10,5 mm, Length: 500 m, PU: 1, MOQ: 1

VOL-IO A648

62,5/125 µm, 72 fibres

LSZH with FRP (Fibreglass Reinforced Plastic)
outer diameter: 10,5 mm, Length: 2000 m, PU: 1, MOQ: 1

VOL-IO A672

62,5/125 µm, 96 fibres

LSZH with FRP (Fibreglass Reinforced Plastic)
outer diameter: 12 mm, Length: 2000 m, PU: 1, MOQ: 1

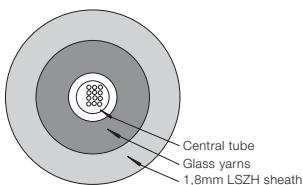
VOL-IO A696

62,5/125 µm, 144 fibres

LSZH with FRP (Fibreglass Reinforced Plastic)
outer diameter: 15 mm, Length: 2000 m, PU: 1, MOQ: 1

VOL-IO A6144

Indoor/Outdoor Glass yarn cables, with light rodent protection, multimode



2 to 24 fibres

62,5/125 µm, 4 fibres

LSZH with glass yarn, outer diameter: 11 mm
Length: 500 m, PU: 1, MOQ: 1

VOL-IO G64

62,5/125 µm, 6 fibres

LSZH with glass yarn, outer diameter: 11 mm
Length: 500 m, PU: 1, MOQ: 1

VOL-IO G66

62,5/125 µm, 8 fibres

LSZH with glass yarn, outer diameter: 11 mm
Length: 4000 m, PU: 1, MOQ: 1

VOL-IO G68

62,5/125 µm, 12 fibres

LSZH with glass yarn
Length: 500 m, PU: 1, MOQ: 1

VOL-IO G612

62,5/125 µm, 24 fibres

LSZH with glass yarn, outer diameter: 11 mm
Length: 500 m, PU: 1, MOQ: 1

VOL-IO G624

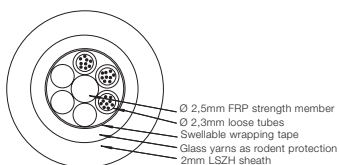
1.2 Fibre Cabling

1.2.4 Volition™ Installation Indoor/Outdoor Cable, 62,5/125/250µm

Type/Order Text

Ref.-No.

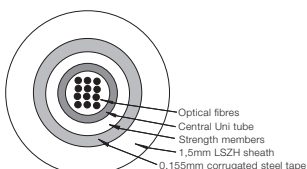
Indoor/Outdoor Glass yarn cables, with light rodent protection, multimode



48 to 144 fibres

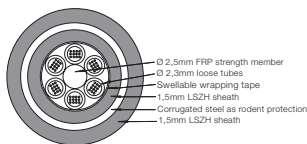
62,5/125 µm, 48 fibres LSZH with glass yarn and FRP (Fibreglass Reinforced Plastic) outer diameter: 13,5 mm, Length: 500 m, PU: 1, MOQ: 1	VOL-IO G648
62,5/125 µm, 72 fibres LSZH with glass yarn and FRP (Fibreglass Reinforced Plastic) outer diameter: 13,5 mm, Length: 2000 m, PU: 1, MOQ: 1	VOL-IO G672
62,5/125 µm, 96 fibres, LSZH with glass yarn and FRP (Fibreglass Reinforced Plastic) outer diameter: 15 mm, Length: 2000 m, PU: 1, MOQ: 1	VOL-IO G696
62,5/125 µm, 144 fibres LSZH with glass yarn and FRP (Fibreglass Reinforced Plastic) outer diameter: 18 mm, Length: 2000 m, PU: 1, MOQ: 1	VOL-IO G6144

Indoor/Outdoor cables with corrugated steel armouring for full rodent protection, multimode



2 to 24 fibres

62,5/125 µm, 4 fibres LSZH with aramid yarn and corrugated steel outer diameter: 8,5 mm Length: 4000 m, PU: 1, MOQ: 1	VOL-IO S64
62,5/125 µm, 6 fibres LSZH with aramid yarn and corrugated steel outer diameter: 8,5 mm Length: 4000 m, PU: 1, MOQ: 1	VOL-IO S66
62,5/125 µm, 8 fibres LSZH with aramid yarn and corrugated steel outer diameter: 8,5 mm Length: 4000 m, PU: 1, MOQ: 1	VOL-IO S68
62,5/125 µm, 12 fibres LSZH with aramid yarn and corrugated steel outer diameter: 8,5 mm Length: 4000 m, PU: 1, MOQ: 1	VOL-IO S612
62,5/125 µm, 24 fibres LSZH with aramid yarn and corrugated steel outer diameter: 9,5 mm Length: 4000 m, PU: 1, MOQ: 1	VOL-IO S624
62,5/125 µm, 48 fibres LSZH with corrugated steel outer diameter: 14,5 mm, Length: 2000 m, PU: 1, MOQ: 1	VOL-IO S648
62,5/125 µm, 72 fibres LSZH with corrugated steel outer diameter: 14,5 mm, Length: 2000 m, PU: 1, MOQ: 1	VOL-IO S672
62,5/125 µm, 96 fibres LSZH with corrugated steel outer diameter: 16,5 mm, Length: 2000 m, PU: 1, MOQ: 1	VOL-IO S696
62,5/125 µm, 144 fibres LSZH with corrugated steel outer diameter: 22,5 mm, Length: 2000 m, PU: 1, MOQ: 1	VOL-IO S6144



48 to 144 fibres

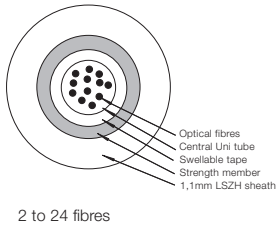
1.2 Fibre Cabling

1.2.4 Volition™ Installation Indoor/Outdoor Cable, 9/125/250µm

Type/Order Text

Ref.-No.

Indoor/Outdoor aramid yarn, without rodent protection, multimode



9/125 µm, 2 fibres

LSZH with aramid yarn, outer diameter: 7 mm
Length: 4000 m, PU: 1, MOQ: 1

VOL-IO A92

9/125 µm, 4 fibres

LSZH with aramid yarn, outer diameter: 7 mm
Length: 4000 m, PU: 1, MOQ: 1

VOL-IO A94

9/125 µm, 6 fibres

LSZH with aramid yarn, outer diameter: 7 mm
Length: 4000 m, PU: 1, MOQ: 1

VOL-IO A96

9/125 µm, 8 fibres

LSZH with aramid yarn, outer diameter: 7 mm
Length: 4000 m, PU: 1, MOQ: 1

VOL-IO A98

9/125 µm, 12 fibres

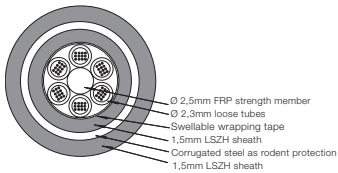
LSZH with aramid yarn, outer diameter: 7 mm
Length: 500 m, PU: 1, MOQ: 1

VOL-IO A912

9/125 µm, 24 fibres

LSZH with aramid yarn, outer diameter: 8 mm
Length: 500 m, PU: 1, MOQ: 1

VOL-IO A924



9/125 µm, 48 fibres

LSZH with FRP (Fibreglass Reinforced Plastic)
outer diameter: 10,5 mm, Length: 2000 m, PU: 1, MOQ: 1

VOL-IO A948

9/125 µm, 72 fibres

LSZH with FRP (Fibreglass Reinforced Plastic)
outer diameter: 10,5 mm, Length: 2000 m, PU: 1, MOQ: 1

VOL-IO A972

9/125 µm, 96 fibres

LSZH with FRP (Fibreglass Reinforced Plastic)
outer diameter: 12 mm, Length: 2000 m, PU: 1, MOQ: 1

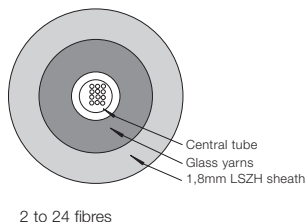
VOL-IO A996

9/125 µm, 144 fibres

LSZH with FRP (Fibreglass Reinforced Plastic)
outer diameter: 15 mm, Length: 2000 m, PU: 1, MOQ: 1

VOL-IO A9144

Indoor/Outdoor Glass yarn cables, with light rodent protection, multimode



9/125 µm, 2 fibres

LSZH with glass yarn, outer diameter: 11 mm
Length: 1000 m, PU: 1, MOQ: 1

VOL-IO G92

9/125 µm, 4 fibres

LSZH with glass yarn, outer diameter: 11 mm
Length: 1000 m, PU: 1, MOQ: 1

VOL-IO G94

9/125 µm, 6 fibres

LSZH with glass yarn, outer diameter: 11 mm
Length: 500 m, PU: 1, MOQ: 1

VOL-IO G96

9/125 µm, 8 fibres

LSZH with glass yarn, outer diameter: 11 mm
Length: 1000 m, PU: 1, MOQ: 1

VOL-IO G98

9/125 µm, 12 fibres

LSZH with glass yarn, outer diameter: 11 mm
Length: 500 m, PU: 1, MOQ: 1

VOL-IO G912

9/125 µm, 24 fibres

LSZH with glass yarn, outer diameter: 11 mm
Length: 500 m, PU: 1, MOQ: 1

VOL-IO G924

1.2 Fibre Cabling

1.2.4 Volition™ Installation Indoor/Outdoor Cable, 9/125/250µm

Type/Order Text	Ref.-No.
Indoor/Outdoor Glass yarn cables, with light rodent protection, multimode	
 <p>48 to 144 fibres</p>	9/125 µm, 48 fibres LSZH with glass yarn and FRP (Fibreglass Reinforced Plastic) outer diameter: 13,5 mm, Length: 500 m, PU: 1, MOQ: 1 VOL-IO G948
	9/125 µm, 72 fibres LSZH with glass yarn and FRP (Fibreglass Reinforced Plastic) outer diameter: 13,5 mm, Length: 2000 m, PU: 1, MOQ: 1 VOL-IO G972
	9/125 µm, 96 fibres LSZH with glass yarn and FRP (Fibreglass Reinforced Plastic) outer diameter: 15 mm, Length: 2000 m, PU: 1, MOQ: 1 VOL-IO G996
	9/125 µm, 144 fibres LSZH with glass yarn and FRP (Fibreglass Reinforced Plastic) outer diameter: 18 mm, Length: 2000 m, PU: 1, MOQ: 1 VOL-IO G9144
Indoor/Outdoor cables with corrugated steel armouring for full rodent protection, multimode	
 <p>2 to 24 fibres</p>	9/125 µm, 2 fibres LSZH with aramid yarn and corrugated steel outer diameter: 8,5 mm Length: 4000 m, PU: 1, MOQ: 1 VOL-IO S92
	9/125 µm, 4 fibres LSZH with aramid yarn and corrugated steel outer diameter: 8,5 mm Length: 4000 m, PU: 1, MOQ: 1 VOL-IO S94
	9/125 µm, 6 fibres LSZH with aramid yarn and corrugated steel outer diameter: 8,5 mm Length: 4000 m, PU: 1, MOQ: 1 VOL-IO S96
	9/125 µm, 8 fibres LSZH with aramid yarn and corrugated steel outer diameter: 8,5 mm Length: 4000 m, PU: 1, MOQ: 1 VOL-IO S98
 <p>48 to 144 fibres</p>	9/125 µm, 12 fibres LSZH with aramid yarn and corrugated steel outer diameter: 8,5 mm Length: 4000 m, PU: 1, MOQ: 1 VOL-IO S912
	9/125 µm, 24 fibres LSZH with aramid yarn and corrugated steel outer diameter: 9,5 mm Length: 4000 m, PU: 1, MOQ: 1 VOL-IO S924
	9/125 µm, 48 fibres LSZH with corrugated steel outer diameter: 14,5 mm, Length: 2000 m, PU: 1, MOQ: 1 VOL-IO S948
	9/125 µm, 72 fibres LSZH with corrugated steel outer diameter: 14,5 mm, Length: 2000 m, PU: 1, MOQ: 1 VOL-IO S972
 <p>48 to 144 fibres</p>	9/125 µm, 96 fibres LSZH with corrugated steel outer diameter: 16,5 mm, Length: 2000 m, PU: 1, MOQ: 1 VOL-IO S996
	9/125 µm, 144 fibres LSZH with corrugated steel outer diameter: 22,5 mm, Length: 2000 m, PU: 1, MOQ: 1 VOL-IO S9144

1.2 Fibre Cabling

1.2.5 Volition™ Patch Cable Multimode 50/125/250µm

Description

Patch Cable, Multimode 50/125/250µm

Factory made VF-45 Duplex patch cables in various lengths are used for patching between sockets or for making the connection to transceivers on the workstation, hub or switch. Hybrid cables to connect ST, SC, LC and MTRJ interfaces are also available.

Other Hybrids available upon request.

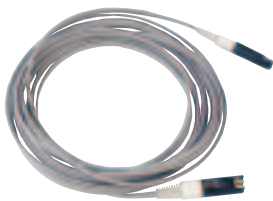
Note: During 2005, the patch cables will be changed to a universal type, which is both riser and LSZH rated. Reference numbers will change. For example: from VOL-V5L1 to VOL-V5L/R1

Highlights:

- Duplex connection
- Factory made VF-45 duplex patch cables in various lengths
- Automatic dust protection protects fibres in unmated condition
- Tested to TIA/EIA and IEC performance requirements
- Patchcords made with 3M's innovative coated fibre, GGP, minimum bend radius 25mm

Type/Order Text

Ref.-No.



VF-45-Connector to VF-45-Connector, 50/125µm, LSZH

PU: 12	MOQ: 1	Length:	1 m	VOL-V5L1
			1,5 m	VOL-V5L1,5
			2 m	VOL-V5L2
			3 m	VOL-V5L3
			5 m	VOL-V5L5
			8 m	VOL-V5L8
			15 m	VOL-V5L15
			30 m	VOL-V5L30



VF-45-Connector to ST-Connector, 50/125µm, LSZH

PU: 12	MOQ: 1	Length:	1 m	VOL-T5L1
			2 m	VOL-T5L2
			3 m	VOL-T5L3
			5 m	VOL-T5L5
			8 m	VOL-T5L8
			15 m	VOL-T5L15
			30 m	VOL-T5L30



VF-45-Connector to SC-Connector, 50/125µm, LSZH

PU: 12	MOQ: 1	Length:	1 m	VOL-C5L1
			1,5 m	VOL-C5L1,5
			2 m	VOL-C5L2
			3 m	VOL-C5L3
			5 m	VOL-C5L5
			8 m	VOL-C5L8
			15 m	VOL-C5L15
			30 m	VOL-C5L30



VF-45™-Connector to MTRJ-Connector, 50/125µm, LSZH

PU: 12	MOQ: 1	Length:	1 m	VOL-M5L1
			2 m	VOL-M5L2
			3 m	VOL-M5L3
			5 m	VOL-M5L5
			8 m	VOL-M5L8
			10 m	VOL-M5L10
			35 m	VOL-M5L35

VF-45™-Connector to LC-Connector, 50/125µm, LSZH

PU: 12	MOQ: 1	Length:	1 m	VOL-L5L1
			1,5 m	VOL-L5L1,5
			2 m	VOL-L5L2
			3 m	VOL-L5L3
			5 m	VOL-L5L5
			8 m	VOL-L5L8

1.2 Fibre Cabling

1.2.5 Volition™ Patch Cable Multimode 62,5/125/250µm

Description

Patch Cable, Multimode 62,5/125/250µm

Factory made VF-45 Duplex patch cables in various lengths are used for patching between sockets or for making the connection to transceivers on the workstation, hub or switch. Hybrid cables to connect ST, SC, LC and MTRJ interfaces are also available.

Other Hybrids available upon request.


Note: During 2005, the patch cables will be changed to a universal type, which is both riser and LSZH rated. Reference numbers will change. For example: from VOL-V6L1 to VOL-V6L/R1


Highlights:


- Duplex connection
- Factory made VF-45 duplex patch cables in various lengths
- Automatic dust protection protects fibres in unmated condition
- Tested to TIA/EIA and IEC performance requirements
- Patchcords made with 3M's innovative coated fibre, GGP, minimum bend radius 25mm


Type/Order Text

Ref.-No.

	VF-45-Connector to VF-45-Connector, 62,5/125µm, LSZH		Length: 1 m 1,5 m 2 m 3 m 5 m 8 m 15 m 30 m	VOL-V6L1
	PU: 12	MOQ: 1		VOL-V6L1,5
				VOL-V6L2
				VOL-V6L3
				VOL-V6L5
				VOL-V6L8
				VOL-V6L15
				VOL-V6L30

	VF-45-Connector to ST-Connector, 62,5/125µm, LSZH		Length: 1 m 2 m 3 m 5 m 8 m 15 m 30 m	VOL-T6L1
	PU: 12	MOQ: 1		VOL-T6L2
				VOL-T6L3
				VOL-T6L5
				VOL-T6L8
				VOL-T6L15
				VOL-T6L30

	VF-45-Connector to SC-Connector, 62,5/125µm, LSZH		Length: 1 m 1,5 m 2 m 3 m 5 m 8 m 15 m 30 m	VOL-C6L1
	PU: 12	MOQ: 1		VOL-C6L1,5
				VOL-C6L2
				VOL-C6L3
				VOL-C6L5
				VOL-C6L8
				VOL-C6L15
				VOL-C6L30

	VF-45™-Connector to MTRJ-Connector, 62,5/125µm, LSZH		Length: 1 m 2 m 3 m 5 m 8 m 10 m 15 m	VOL-M6L1
	PU: 12	MOQ: 1		VOL-M6L2
				VOL-M6L3
				VOL-M6L5
				VOL-M6L8
				VOL-M5L10
				VOL-M5L15

1.2 Fibre Cabling

1.2.5 Volition™ Patch Cable Single-mode 9/125/250µm

Description

Patch cable, Single-mode 9/125/250µm

Factory made VF-45 Duplex patch cables in various lengths are used for patching between sockets or for making the connection to transceivers on the workstation, hub or switch. Hybrid cables to connect ST, SC, LC and MTRJ interfaces are also available.

Other Hybrids available upon request.

Note: During 2005, the patch cables will be changed to a universal type, which is both riser and LSZH rated. Reference numbers will change. For example: from VOL-V9L1 to VOL-V9L/R1

Highlights:

- Duplex connection
- Factory made VF-45 duplex patch cables in various lengths
- Automatic dust protection protects fibres in unmated condition
- Tested to TIA/EIA and IEC performance requirements
- Patchcords made with 3M's innovative coated fibre, GGP, minimum bend radius 25mm

Type/Order Text

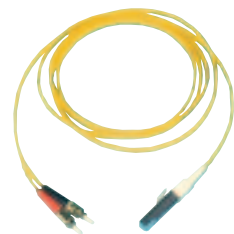
Ref.-No.



VF-45-Connector to VF-45-Connector, 9/125µm, LSZH

PU: 12	MOQ: 1	Length:	1 m
			1,5 m
			2 m
			3 m
			5 m
			8 m
			15 m
			30 m

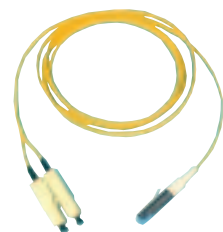
VOL-V9L1
VOL-V9L1,5
VOL-V9L2
VOL-V9L3
VOL-V9L5
VOL-V9L8
VOL-V9L15
VOL-V9L30



VF-45-Connector to ST-Connector, 9/125µm, LSZH

PU: 12	MOQ: 1	Length:	1 m
			1,5 m
			2 m
			3 m
			5 m
			8 m
			15 m
			30 m

VOL-T9L1
VOL-T9L1,5
VOL-T9L2
VOL-T9L3
VOL-T9L5
VOL-T9L8
VOL-T9L15
VOL-T9L30

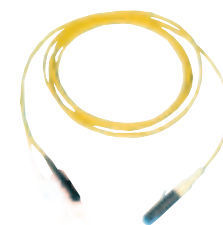


VF-45-Connector to SC-Connector, 9/125µm, LSZH

PU: 12	MOQ: 1	Length:	1 m
			1,5 m
			2 m
			3 m
			5 m
			8 m
			15 m
			30 m

VOL-C9L1
VOL-C9L1,5
VOL-C9L2
VOL-C9L3
VOL-C9L5
VOL-C9L8
VOL-C9L15
VOL-C9L30

Other types upon request



VF-45-Connector to MTRJ-Connector, 9/125µm, LSZH

PU: 12	MOQ: 1	Length:	1 m
			2 m
			3 m
			5 m
			8 m
			10 m

VOL-M9L1
VOL-M9L2
VOL-M9L3
VOL-M9L5
VOL-M9L8
VOL-M9L10

1.2 Fibre Cabling

1.2.6 Volition™ VF-45™ Test Leads

Description

Reference Cable Kits

Volition reference cable kits enable connections to be made to test equipment fitted with an ST or SC connector interface. The transmit cable consists of a VF45 socket on one end and a choice of either 2 ST, SC or FC at the other end. The receive cable has a VF-45 socket housed in a protective casing on one end and at the other there are either 2 ST or 2 SC connectors.

The 100m OTDR cables are necessary to ensure the near end connector is outside the near end dead zone of the OTDR being used.







Launch cables are available with SC connectors.

Highlights:

- Guaranteed high quality
- Receiver or transmitter cable with VF-45™ connector
- Available with either two SC or two ST connectors for connection to test equipment.

Type/Order Text

Ref.-No.

	VF-45 Connector to ST Connector and VF-45 Socket	VOL-UREF-050-ST
	PU: 1 MOQ: 1 Reference Cable kit, beige, 1,5 m: 50/125µm Connecting Cable ST Connector to VF-45 Socket (2x) ST Connector to VF-45 Connector (2x)	
	50/125 Reference Cable VF-45 Connector to VF-45 Connector (1x)	
	VF-45 Connector to SC Connector and VF-45 Socket	VOL-UREF-062-ST
	PU: 1 MOQ: 1 Reference Cable kit, beige, 1,5 m: 62,5/125µm Connecting Cable ST Connector to VF-45 Socket (2x) ST Connector to VF-45 Connector (2x)	
	62,5/125 Reference Cable VF-45 Connector to VF-45 Connector (1x)	
	VF-45 Connector to ST Connector and VF-45 Socket	VOL-UREF-SM-ST
	PU: 1 MOQ: 1 Reference Cable kit, green, 1,5 m: 9/125µm Connecting Cable ST Connector to VF-45 Socket (2x) ST Connector to VF-45 Connector (2x)	
	9/125 Reference Cable VF-45 Connector to VF-45 Connector (1x)	
	VF-45 Connector to SC Connector and VF-45 Socket	VOL-UREF-050-SC
	PU: 1 MOQ: 1 Reference Cable kit, beige, 1,5 m: 50/125µm Connecting Cable SC Connector to auf VF-45 Socket (2x) SC Connector to VF-45 Connector (2x)	
	50/125 Reference Cable VF-45 Connector to VF-45 Connector (1x)	
	VF-45 Connector to SC Connector and VF-45 Socket	VOL-UREF-062-SC
	PU: 1 MOQ: 1 Reference Cable kit, beige, 1,5 m: 62,5/125µm Connecting Cable SC Connector to VF-45 Socket (2x) SC Connector to VF-45 Connector (2x)	
	62,5/125 Reference Cable VF-45 Connector to VF-45 Connector (1x)	
	VF-45 Connector to SC Connector and VF-45 Socket	VOL-UREF-SM-SC
	PU: 1 MOQ: 1 Reference Cable kit, green, 1,5 m: 9/125µm Connecting Cable SC Connector to VF-45 Socket (2x) SC Connector to VF-45 Connector (2x)	
	9/125 Reference Cable VF-45 Connector to VF-45 Connector (1x)	

1.3 Networking Hardware

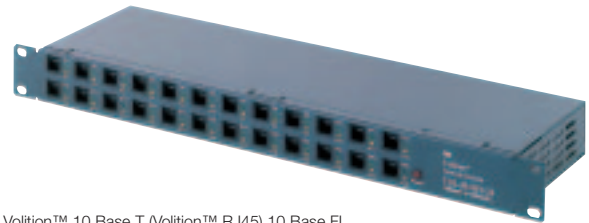
1.3.1 Volition™ Media-Converter

Description

Media Converter 10Mb/s and 100Mb/s

Volition media converters allow simple and cost effective use- age of existing network equipment (fitted with RJ45 connectors for copper wiring) with fibre optic cables. The Volition media converter converts a twisted pair signal into the corresponding optical signal.

The media converters are available as either a compact stand alone item for installation in the work place or as a 19" version with 12 and 24 x VF-45 (10 Mb/s) for rack mounting in distribution areas.



Volition™ 10 Base T (Volition™ RJ45) 10 Base FL

Highlights:

- IEEE 802.3/802.3u and 802.3z compliant
- 32 bit bus mastering (10 and 100Mb/s cards)
- Most common operating systems supported

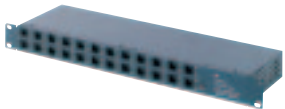
Type/Order Text

Ref.-No.



10 Base T (RJ45) to 10 Base FL, VF-45™ Port
850nm, VF-45 Port
PC-Version, PU: 1 pc, MOQ: 1

VOL-0201-EUR



10 Base T (RJ45) to 10 Base FL, VF-45 Ports
850nm, 12x VF-45 Ports
Rackmount-Version, PU 1pc, MOQ:1

VOL-M10FL-12

10 Base T (RJ45) to 10 Base FL, VF-45 Ports
850nm, 24x VF-45 Ports
Rackmount-Version, PU 1pc, MOQ: 1

VOL-M10FL-24



100 Base-TX (RJ45) to 100 Base-FX, VF-45 Port, 1300nm
PC-Version, PU: 6 pieces, MOQ: 1
Autonegociating (10Mbit/100Mbit) copper part.
Power supply alternatively via USB port or wall socket net adapter

VOL-M100FX-AN

1.3 Networking Hardware

1.3.2 Volition™ Network Interface Cards

Description

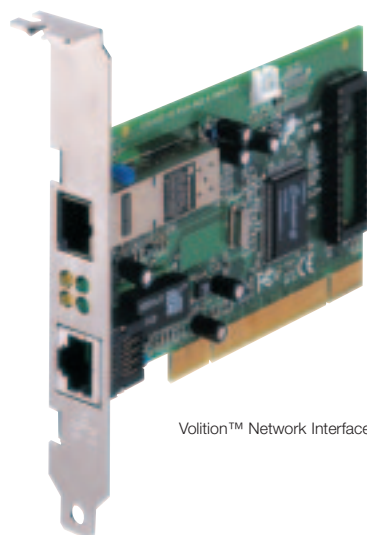
Network Interface Cards

The Volition fibre based PCI network interface card supports Fast Ethernet protocols, 100 Mb/s. The Nic supports most major operating systems and offer high performance with reliable operation in todays demanding networks.

The 100 Mb/s card operates at either full or half duplex. The VOL-N100VF+TX card has a VF-45 optical port plus an RJ45 copper port with wake on LAN feature and therefore offers full flexibility for migration paths.

Highlights:

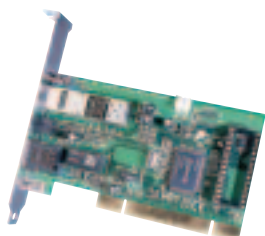
- IEEE 802.3/802.3u and 802.3z compliant
- 32 bit bus mastering (10 and 100Mb/s cards)
- most common operating systems supported
- dual port copper/fibre 100Mb/s NIC available for easy network migration (VOL-N100VF + TX)



Volition™ Network Interface Card

Type/Order text

Ref.-No.



VOL-N100VF+TX, 2Port, 10/100MB NIC, PCI Bus

1 Port 10/100 Base-TX Volition™ RJ45,
 1 Port 100 Base-FX with Volition™ VF-45, 1300nm
 PU: 1 pc
 MOQ: 1

Available until Q3/2005

VOL-N100VF+TX

VOL-N100VF+TX-R, 2Port, 10/100MB NIC, PCI Bus

1 Port 10/100 Base-TX Volition™ RJ45,
 1 Port 100 Base-FX with Volition™ VF-45, 1300nm
 PU: 1 pc
 MOQ: 1

Available from Q4/2005

VOL-N100VF+TX-R

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