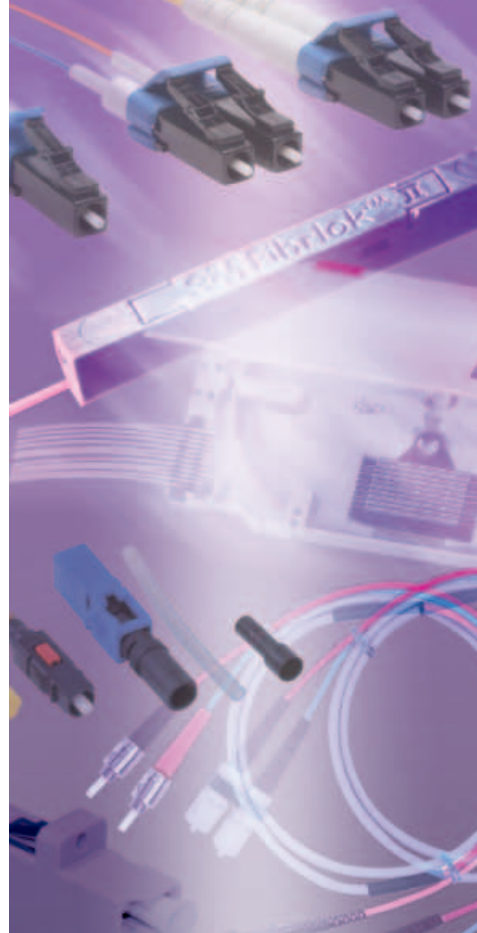# *FTTx – Fibre Optics Connectivity*

As well as Volition™ Network Solutions, 3M™ offers a complete line of single-mode & multimode ferruled fibre optic connectors including Hot Melt and Crimplok™ connectors in ST, SC, FC and LC style. To complement this, connectors are also available terminated as pigtails or patch cords in a variety of lengths.

There is also an extensive range of mounting hardware & accessories including 19" patch panels and distribution boxes. The Fibrlok™ mechanical splice, available in single- and multifibre versions for single- and multimode fibre completes the offering of Fibre Interconnect Solutions.

8

Type/Order text	Ref.-No.

3M™ ST Connectors

ST connector - Hot Melt - multimode
White boot
PU: 60 pcs — **6100-W**
PU: 1000 pcs — **6100-W1K**

Black boot
PU: 60 pcs — **6100-B**
PU: 1000 pcs — **6100-B1K**

Red boot
PU: 60 pcs — **6100-R**
PU: 1000 pcs — **6100-R1K**

ST connector - Hot Melt - single-mode
Yellow boot
PU: 60 pcs — **8100-YS**

ST connector - Epoxy - multimode
Black boot
PU: 60 pcs — **6105-B**
PU: 1000 pcs — **6105-B1K**

Red boot
PU: 60 pcs — **6105-R**

ST connector Epoxy - single-mode
Yellow boot
PU: 60 pcs — **8106**

Blue boot
PU: 60 pcs — **AAMUL3**

ST connector - Crimplok - multimode
Grey boot
PU: 60 pcs — **6901**

ST connector - Crimplok - single-mode
Blue Boot
PU: 60 pcs — **8901**
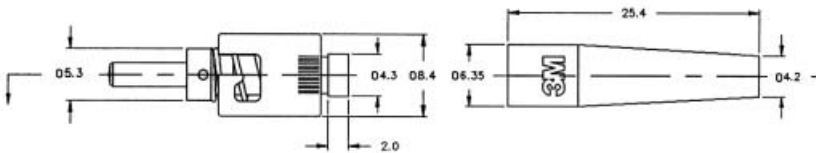
Connector type	6100	6105	6901	8100	8106	8901
Adhesive type	Hot Melt	Exoxy	None, crimp	Hot Melt	Epoxy	None, crimp
Fibre Type	50/125, 62,5/125	50/125, 62,5/125	50/125, 62,5/125	9/125	9/125	9/125
Insertion loss	< 0,20 dB typ.	< 0,20 dB typ.	< 0,20 dB typ.	< 0,20 dB typ.	< 0,30 dB typ.	< 0,20 dB typ.
Return loss	≥ 25 dB typ.	≥ 25 dB typ.	≥ 40 dB typ.	≥ 40 dB typ.	≥ 45 dB typ.	> 40 dB typ.
Ferrule	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic
Housing / Body	Metal	Metal	Plastic	Metal	Metal	Plastic
Boot colour	white/black/red	black/red	grey/blue	yellow	yellow	blue
Operating temperature	-10°C to +60°C	-40°C to 85°C	-10°C to 60°C	-10°C to +60°C	-40°C to 85°C	-40°C to 85°C
Storage temperature	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C

8.1   Couplings, Connectors, Pigtails
8.1.1 3M™ ST-Connectivity

Type/Order text	Ref.-No.

3M™ ST Couplings / ST Pigtails

ST Coupling, multimode
for D hole mounting, spacer and union nut included
PU: 60 pcs   **6112**
PU: 1000 pcs   **6112-1K**

ST Coupling, single-mode
for D hole mounting, spacer and union nut included
PU: 60 pcs   **8119**

ST Pigtail 50/125, multimode Fibre, green, easy strip   **BAN00-ZK0002**
Length: 2 m, PU: 12 pcs

ST Pigtail 62.5/125, multimode Fibre, blue, easy strip   **BNA00-AP0002**
Length: 2 m, PU: 12 pcs

ST Pigtail 9/125, single-mode Fibre, yellow, easy strip   **AAM00-AU0002**
Length: 2 m, PU: 12 pcs

ST Coupling

29.5 mm
11.2 mm   6.9 mm   7.6 mm
4.1 mm
9.5 mm

Hole pattern

9,6
8,0

Sheet thickness

3.4 mm maximum
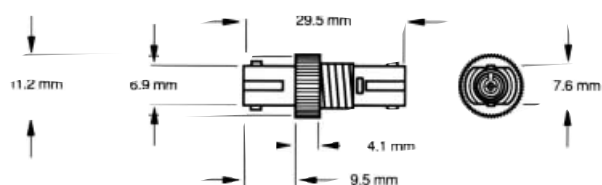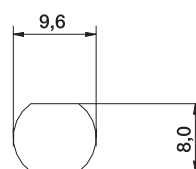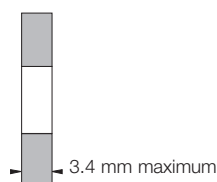
Coupling type	6112	8119
Type	Multimode	Single-mode
Sleeve	Phosphor bronze	Zirconia ceramic
Housing	Metal	Metal
Operating temperature	-40°C to 85°C	-40°C to 85°C

Type/Order text	Ref.-No.

3M™ SC Connectors

SC-Connector Hot Melt, multimode, white boot
PU: 60 pcs
PU: 1000 pcs

6300-W
6300-W1K-S

SC-Connector Ultra High Temperature Hot Melt, single-mode
blue boot
PU: 60 pcs
PU: 1000 pcs

8308-U
8308-U1K

SC-Connector Epoxy, single-mode, white boot
PU: 60 pcs

8306

SC/APC-Connector, single-mode, green boot
PU: 60 pcs
PU: 1000 pcs

8306-SC/APC
AEPGL-3

SC-Connector Crimplok, single-mode, black boot
PU: 60 pcs

6900

SC-Connector Crimplok, multimode, black boot
PU: 60 pcs

8900
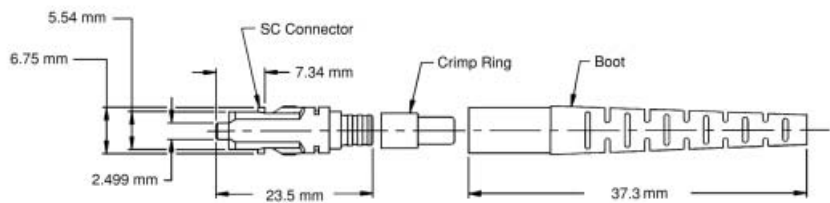
SC Connector	6300 W	8308 U	8306	8306-SC/APC AEPGL-3	6900	8900
Adhesive type	Hot Melt	Hot Melt	Epoxy	Epoxy	None, crimp	None, crimp
Fibre Type	50/125 62.5/125	9/125	9/125	9/125	50/125 62.5/125	9/125
Insertion loss in dB typ.	< 0,20	< 0,20	< 0,30	< 0,30	< 0,20	< 0,20
Return loss in dB typ.	≥ 25	≥ 55	≥ 45	≥ 65	> 27	≥ 40
Ferrule	Zirc. ceramic	Zirc. ceramic	Zirc. ceramic	Zirc. ceramic	Zirc. ceramic	Zirc. ceramic
Housing / Body	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Boot colour	White	Blue	White	Green	Black	Black
Operating temp. in °C	-10 to 60	-40 to 100	-40 to 85	-40 to 85	-10 to 60	-10 to 60
Storage temp. in °C	-40 to 85	-40 to 100	-40 to 85	-40 to 85	-40 to 80	-40 to 80

8.1.2 3M™ SC-Connectivity

Type/Order text	Ref.-No.

3M™ SC Couplings / Pigtails

	SC Duplex Coupling, multimode Plastic housing, grey, mounting bracket included PU: 60 pcs	**6313**
	SC Duplex Coupling, single-mode Plastic housing, blue, mounting bracket included PU: 60 pcs	**8313**
	SC Coupling, multimode Simplex, grey, mounting springs included PU: 60 pcs	**6310**
	SC Coupling, single-mode Simplex, blue, mounting springs included PU: 60 pcs	**8310-E**
	SC/APC Coupling, single-mode Simplex, green, mounting springs included PU: 60 pcs	**8310-GE**
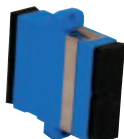
SC duplex coupling

Hole pattern
10
30,5
26,4

Sheet thickness

1,6 mm max. for
quick assembly spring
12,0 mm max. for
Screw installation

0,23
2 Holes

Panel
Clip

Keyway (2)

22.0 18.0

15.4

7.4
9.4

27.4
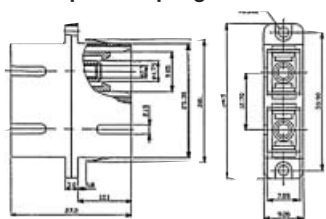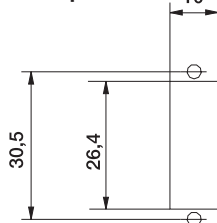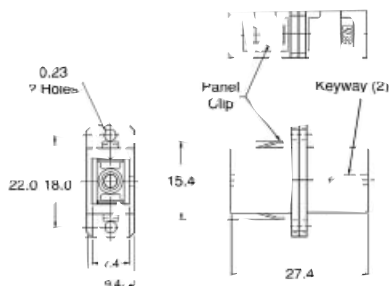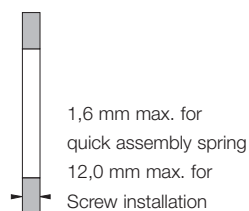
Hole pattern
9,6
13,6
18,0
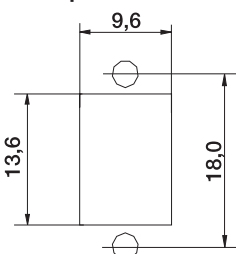
Coupling/Connector type	6313	8313	6310	8310-E	8310-GE
Type	Multimode	Single-mode	Multimode	Single-mode	Single-mode
Simplex/Duplex	for duplex	for duplex	simplex	simplex	simplex
Sleeve	Phosphor bronze	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic
Housing	Plastic, gray	Plastic, blue	Plastic, grey	Plastic, blue	Plastic, green
Operating temp.	-40°C to 75°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C

8.1   Pigtails
8.1.2 3M™ SC-Connectivity

Type/Order text	Ref.-No.

3M™ SC Pigtails

	SC Pigtail 50/125, multimode fibre, OM2, easy stripp Length: 2 m, PU: 12 pcs	**BDB00-ZK0002**
	SC Pigtail 50/125, multimode fibre, OM3, easy stripp Length: 2 m, PU: 12 pcs	**BDB00-ZO0002**
	SC Pigtail 62.5/125, multimode fibre, OM1, easy stripp Length: 2 m, PU: 12 pcs	**BDB00-AP0002**
	SC Pigtail 9/125, single-mode fibre, easy stripp Length: 2 m, PU: 12 pcs	**ADA00-AU0002**
	SC Pigtail 9/125, single-mode fibre tight buffer Length: 2 m, PU: 12 pcs	**ADAOO-AU0002**
	SC/UPC Pigtail 9/125, single-mode fibre, easy stripp Length: 3 m, PU: 12 pcs	**AEQOO-AU0003**
	SC APC 8° Pigtail 9/125, single-mode fibre, easy stripp Length: 2 m, PU: 12 pcs	**ADE00-AU0002**
	SC APC 9° Pigtail 9/125, single-mode fibre, easy stripp Length: 2 m, PU: 12 pcs	**ABP00-AU0002**

8.1   Couplings, Connectors, Pigtails
8.1.3 3M™ LC-Connectivity

Description	Ref.-No.

3M™ LC Connectors / Couplings / Pigtails

The LC small form factor connector has become the most popular interface for optical line equipment over the last two years and is well estabilshed in fibre backbones.

3M has expanded their attractive productline of Hot Melt fibre optic connectors and now offers also LC Hot Melt connectivity for single- and multimode applications.

The 3M Hot Melt system combines the ease of installation together with the advantage of spliceless direct termination in patch panels and TO´s.

Due to it´s small size, the LC-Connector allows to double the port density in 19" cabinets. By design the LC has a very low crosstalk and makes the connector the perfect choice for 1 GBit/s as well as 10 GBit/s applications.
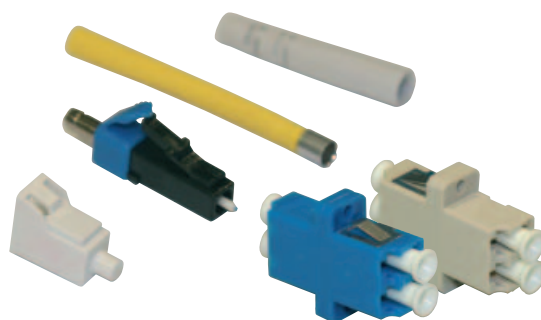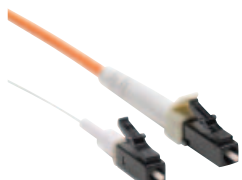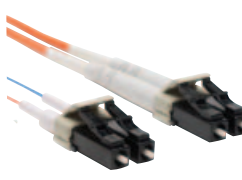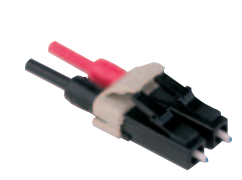
3M™ LC Connectors Hot Melt   3M™ LC Couplings

Type/Order text	Ref.-No.
LC-Connector Hot Melt, multimode, for 900µm fibre, short boot, white, for outlets Simplex, beige, PU: 60 pcs	6600-S
LC-Connector Hot Melt, multimode, for 1,6-2,0 mm cable, standard boot, white Simplex, beige, PU: 60 pcs	6602-S
LC-Connector Hot Melt, multimode, for 2,4-3,0 mm cable, standard boot, white Simplex, beige, PU: 60 pcs	6603-S
LC-Connector Hot Melt, multimode, for 900µm fibre, standard boot, white/beige Duplex with clip, beige, PU: 60 pcs	6601-D
LC-Connector Hot Melt, multimode, for 1,6-2,0 mm cable, standard boot, white/beige Duplex with clip, beige, PU: 60 pcs	6602-D
LC-Connector Hot Melt, multimode, for 2,4-3,0 mm cable, standard boot, white/beige Duplex with clip, beige, PU: 60 pcs	6603-D
LC-Connector Hot Melt, multimode, for 900µm fibre, standard boot, black/red Duplex with clip, beige, PU: 60 pcs	6604-D
LC-Connector Hot Melt, multimode, for 1,6-2,0 mm cable, standard boot, black/red Duplex with clip, beige, PU: 60 pcs	6605-D
LC-Connector Hot Melt, multimode, for 2,4-3,0 mm cable, standard boot, black/red Duplex with clip, beige, PU: 60 pcs	6606-D

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8.1.3 3M™ LC-Connectivity

Description

	LC-Connector Hot Melt, single-mode, for 900µm fibre, short boot, white, for outlets Simplex, blue, PU: 60 pcs	**8600-S**
	LC-Connector Hot Melt, single-mode, for 1,6-2,0 mm cable, standard boot, white Simplex, blue, PU: 60 pcs	**8602-S**
	LC-Connector Hot Melt, single-mode, for 2,4-3,0 mm cable, standard boot, white Simplex, blue, PU: 60 pcs	**8603-S**
	LC-Connector Hot Melt, single-mode, for 900µm fibre, standard boot, white/beige Duplex with clip, blue, PU: 60 pcs	**8601-D**
	LC-Connector Hot Melt, single-mode, for 1,6-2,0 mm cable, standard boot, white/beige Duplex with clip, blue, PU: 60 pcs	**8602-D**
	LC-Connector Hot Melt, single-mode, for 2,4-3,0 mm cable, standard boot, white/beige Duplex with clip, blue, PU: 60 pcs	**8603-D**
	LC-Coupling, multimode Duplex, beige plastic housing in SC-Simplex format PU: 60 pcs	**6661-DC**
	LC-Coupling, single-mode Duplex, blue plastic housing in SC-Simplex format PU: 60 pcs	**8661-DC**
	LC-Coupling, single-mode Simplex, blue plastic housing PU: 60 pcs	**8662-SC**
	LC-Pigtail 50/125, multimode Green, length: 2 m, PU: 12 pcs	**BDUOO-ZK0002**
	LC-Pigtail 50/125, multimode OM3 Green, length: 2 m, PU: 12 pcs	**BDUOO-ZO0002**
	LC-Duplex Pigtail 50/125, multimode Green, length: 2 m, PU: 6 pcs	**BDUOO-CT0002**
	LC-Duplex Pigtail 50/125, multimode OM3 Green, length: 2 m, PU: 6 pcs	**BDUOO-CB0002**
	LC-Pigtail 62,5/125, multimode Blue, length: 2 m, PU: 12 pcs	**BDBOO-AP0002**
	LC Pigtail 9/125, single-mode Yellow, length: 2 m, PU: 12 pcs	**ADVOO-AU0002**
	LC/APC Pigtail 9/125, single-mode Yellow, length: 2 m, PU: 12 pcs	**ADWOO-AU0002**

8.1 Couplings, Connectors, Pigtails
8.1.4 3M™ FC-Connectivity

Type/Order text	Ref.-No.

3M™ FC/PC Connector

FC-Connector, Hot Melt, multimode, white boot
PU: 60 pcs — **6200**

FC-Connector, Epoxy, single-mode, white boot
PU: 60 pcs — **8203**
PU: 1000 pcs — **AENWL-3**

FC-Connector, Ultra High Temperature Hot Melt, single-mode
blue boot
PU: 60 pcs — **8208**
PU: 1000 pcs — **8208-U1K**

FC/APC Connector, Epoxy, single-mode
green boot
PU: 60 pcs — **8206-FC/APC**
PU: 1000 pcs — **AEXGL-3**
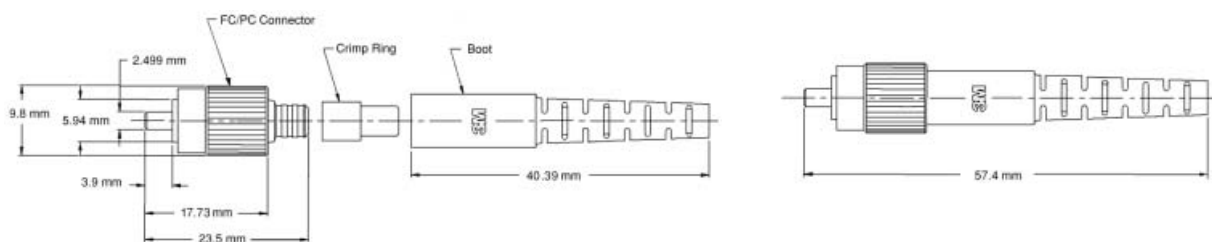
FC Connector	8203 AENWL-3	8208 8208-U1K	8206-FC/APC	AEXGL-3	6200
Adhesive Type	Epoxy	Hot Melt	Epoxy	Epoxy	Hot Melt
Fibre Type	E9/125	E9/125	E9/125	E9/125	G50/125, G62,5/125
Insertion loss in dB typ.	< 0,2	< 0,2	< 0,2	< 0,2	< 0,2
Return loss in dB typ.	≥ 55	≥ 55	≥ 80	≥ 80	≥ 25
Ferrule	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic
Housing/body	Plastic	Plastic	Plastic	Plastic	Plastic
Boot colour	White	Blue	Green	Green	White
Operating temp. in °C	-40 to 85	-40 to 100	-40 to 85	-40 to 85	-10 to 60
Storage temp. in °C	-40 to 85	-40 to 100	-40 to 85	-40 to 85	-40 to 85

8.1 Couplings, Connectors, Pigtails
8.1.4 3M™ FC-Connectivity

Type/Order text	Ref.-No.

3M™ FC Couplings/Pigtails

FC-Coupling, single-mode
for D hole mounting spacers and nut included
PU: 60 pcs

8211

FC-APC-Coupling, single-mode
for D hole mounting spacers and nut included
PU: 60 pcs

8211-APC

FC-Pigtail 9/125, single-mode Fibre
Length: 2 m
PU: 12 pcs

AEN00-AU0002

FC-APC 8° Pigtail 9/125, single-mode Fibre
Length: 2 m,
PU: 12 pcs

AEX00-AU0002
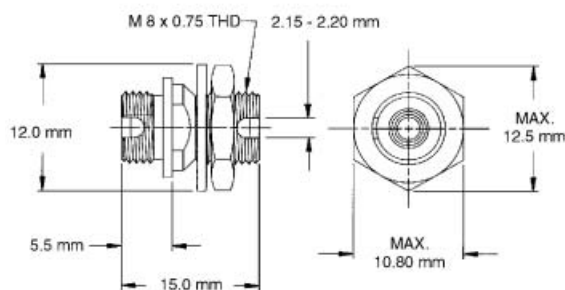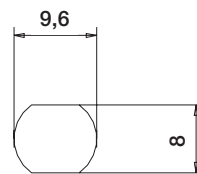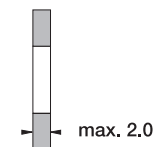
Connector	8211	8211-APC
Type	Singlemode	Singlemode
Sleeve	Zirconia ceramic	Zirconia ceramic
Housing	Metal	Metal
Operating temperature	-40°C to 85°C	-40°C to 85°C

8.1.5 E2000 Connectivity

Type/Order text	Ref.-No.

E2000 Couplings/Pigtails
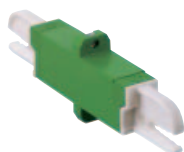
E2000/APC coupling, single-mode
Simplex, green, 2 mounting screws included

PU: 1 pc

05-751-13400

E2000 Simplex, metal mounting clamp
for screw-less mounting of E2000 connectors

metal, PU: 10 pcs

05-750-14100

E2000/APC 8° Pigtail 9/125, single-mode Fibre
Length: 2 m, PU: 1 pc

05-706-03900

Hole pattern

9,6
13,6
18,0

Sheet thickness

for mounting with
quick mount spring
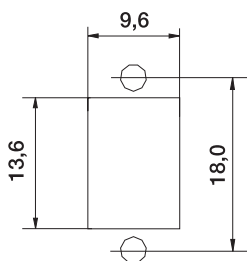
for mounting
with screws
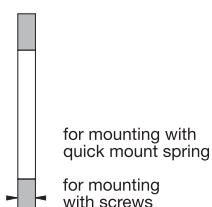
Connector type	E2000/APC
Type	Single-mode
Sleeve	Zirconia ceramic
Housing	Plastic, green
Operating temperature	-40°C to 85°C

Connector type	E2000/APC
Adhesive type	Epoxy
Fibre Type	9/125
Insertion loss	< 0.2 dB typ.
Return loss	> 75 dB typ.
Ferrule	Zirconia ceramic
Housing / Body	Plastic
Boot	green
Operating temperature	-40°C to 85°C
Storage temperature	-40°C to 85°C

E2000 is a trademark of the Diamond Company.

FTTx – Fibre Optics Connectivity

8

8.2 Assembly Systems

8.2.1 3M™ Hot Melt System Universal Termination Kit

3M™ Hot Melt optical fibre connector assembly system

The 3M Hot Melt system offers most convenient field connectivity for fibre optic connectors. From direct termination of breakout cables in patch panels over pigtails up to patchcords, Hot Melt connectors fit every application. The connectors are pre-filled with Hot Melt adhesive which just needs to be heated for easy termination.

All connectors have ceramic ferrules and different coloured boots enable clear port identification.. A universal termination kit plus different upgrade kits enable to install all type of 3M Hot Melt connectors.

Highlights:

- Quick, simple and safe assembly in the field or factory

- Connector, adhesive and polishing film from one manufacturer guarantees a high quality connector

- Simple polishing process, either manually or with a polishing machine

- All connectors contain a zirconia ferrule and Hot Melt adhesive

- Boots are available in various colours for definite channel separation

- Suitable for all LAN and CATV applications

- Suitable for internal or external applications

Type/Order text	Ref.-No.

Universal Hotmelt Termination Kit   **6361**
The Hot Melt Termination Kit for ST, SC, FC and LC-Connectors contains all tools and consumeables, which are neccesary to terminate 3M HotMelt Connectors in the field.
(LC Hot Melt available form Q2/3 2005)
PU: 1 pc

Kit content:
- Hotmelt oven with 230V power cord for europe and UK
- Connector holders for ST (6 ea.), SC and FC (4 ea.)
- Universal connector holder for ST, SC, FC connnectors (during 2005)
- Polishing pad, classic, round ("one step")
- Polishing pad, UHT, soft
- Polishing film 2µm, round, light green, 200 ea
- Polishing film 0,5µm, diamond, light gray, 15 ea
- Polishing film 0,5µm, final polish, frosted, 50 ea
- Polishing film 0,05µm, light yellow, 50 ea
- Jacket stripper
- Buffer/coating stripper
- Kevlar sissors
- Universal crimp tool
- Carbide scribe blade
- Angled viewscope (200x)
- Express glue for UHT connectors
- Lint free tissues, 100 ea
- Bottles for water and isoprophyl alcohol
- Safety container for fibre stubs
- Marker
- Trainings CD and instruction manual

8.2 Assembly Systems

8.2.1 3M™ Hot Melt System Accessories and Consumeables

Type/Order text	Ref.-No.

Accessories/Consumeables

Conversion Kit: Epoxy to Hot Melt Classic   **6157**
(8361 to 6361)
PU: 1 pc
Content:
- Polishing pad, classic, round, ("one step")
- Connector holders, ST (6 ea)
- Connector holders, FC (4 ea)
- Connector holders, SC (4 ea)
- Hot Melt oven, 230V with power cord, Europe and UK
- Universal polishing jig (2 ea)
- Polishing film 2μm, round, "one step"
- Polishing film, 0,05μm, final polish single-mode (50 ea)
- Instruction manual HotMelt connectors ST, SC, FC
- Operation manual HotMelt Oven

Extension Kit Hot Melt to UHT connectors   **6355-U**
PU: 1 pc
Content:
- Polishing pad, soft for UHT connectors (1 ea)
- Polishing film 0,5μm, diamond, for UHT connectors (15 ea)
- Polishing film 0,02μm, silicon dioxide for UHT connectors (50 ea)
- Express glue, bottle, for UHT connectors (1 ea)
- Instruction manual UHT connectors

Extension kit LC Hot Melt   **6650-LC**
PU: 1 ea
- Polishing pad 11,5 x 14 mm (1 ea)
- LC connector holder (4 ea)
- LC polishing jig (2 ea)
- Polishing film starter kit
- LC crimp dies (1 set)
- LC adapter for microscope 200x (1 ea)
- Heat shrink asdapter (1 ea)
- Cleaning wires for connector holder (1 set)
- Instruction manual LC Hot Melt

Classic Hot Melt consumeables kit   **6365-CC**
PU: 1 pc
Content:
- Polishing film 2μm (200 ea)
- Polishing film 0,05μm (50 ea)
- Lint free tissues (200 ea)
- Universal polishing jig (1 ea)

UHT Consumeable kit   **6365-CU**
PU: 1 pc
- Polishing film 0,5μm (10 ea)
- Polishing film 0,02μm (50 ea)
- Lint free tissues (200 ea)
- Universal polishing jig (1 ea)

LC Hotmelt single-mode polishing film set   **6650-LS**
- Polishing film 2μm, "One Step" (100 ea)
- Polishing film 9μm (20 ea)
- Polishing film 0,5 μm (40 ea)
- Polishing film, final polish, 0,02μm (80 ea)

LC Hotmelt multimode polishing film set   **6650-LM**
- Polishing film 2μm, "One Step" (100 ea)
- Polishing film 9μm (20 ea)

8.2 Assembly Systems

8.2.1 3M™ Hot Melt System Accessories and Consumeables

Type/Order text	Ref.-No.

Accessories/Consumeables

	Type/Order text	Ref.-No.
	Polishing film 2µm, "one step" (254 X Classic), round for handpolish PU: 50 pcs	**6192 A**
	Polishing film 0,5µm, diamond (light gray) PU: 5 pcs	**661X-0,5S**
	Polishing film 0,5µm, final polish (frosted) PU: 50 pcs	**863X-0,02S**
	Polishing film 0,02µm, single-mode (light yellow) PU: 50 pcs	**263X**
	Polishing film 9µm, pre-polish LC-Hotmelt PU: 50 pcs	**461X**
	Polishing pad, round, handpolish, Classic HotMelt PU: 1 pc	**6365-PP**
	Polishing pad 11,5 x 14 cm, soft, for UHT connectors PU: 1 pc	**8365-PP**
	Polishing pad 11,5 x 14 cm, for LC HotMelt connectors PU: 1 pc	**6650-LP**
	Polishing jig HotMelt, handpolish, ST, SC, FC PU: 1 pc	**8892**
	Polishing jig, handpolish, HotMelt LC PU: 1 pc	**6650-LJ**
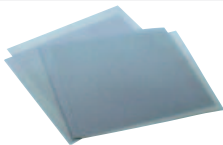
8.2   Assembly Systems

8.2.1 3M™ Hot Melt System Accessories and Consumeables

Type/Order text	Ref.-No.

Accessories/Consumeables

	Weight for polishing jig, handpolish, HotMelt LC PU: 1 pc	**6650-JW**
	Hot Melt oven, 230V with UK and EU power cord, PU: 1 pc	**6323**
	Lintfree tissues PU: 200 pcs	**05-00017**
	Bottel for isoprophyl alcohol PU: 1 pc	**VOL-0560R**
	Connector holder for ST Hot Melt connectors PU: 6 pcs	**6190**
	Connector holder for SC Hot Melt connectors PU: 4 pcs	**SP-00504**
	Connector holder for FC Hot Melt connectors PU: 4 pcs	**SP-00505**
	Connector holder for LC Hot Melt connectors PU: 4 pcs	**6650-LH**

8.2   Assembly Systems

8.2.1 3M™ Hot Melt System Autopolisher/Tubing Kit

Description

3M Hot Melt Autopolisher / 3M Tubing Kit

The 6851-E duplex Auto Polisher is a robust polishing machine designed for field polishing of 3M HotMelt connectors with the performance of a factory polish.

The receptacle of the machine has a clamp mechanizm, that allows to polish two HotMelt (ST, SC or FC) connectors of the same type at a time.

This polishing machine is designed for high volume installations of HotMelt connectors and ensures an extremly high consitancy of the polishing quality.

Technical Data:

Voltage (primary)	230V/50Hz, wallsocket PS
Voltage (secundary)	15V DC / 1A, plus on centre
Dimensions:	170 x 185 x 120 cm
Weight:	1,7 kg
Timer intervals:	30, 60, 90, 120 sec.

3M HotMelt Autopolisher

Type/Order text	Ref.-No.

HotMelt Autopolisher, 230V
incl. 230V wall socket power supply and polishing film 2µm with hole (50 ea)
PU: 1 pc

6851-E

Polishing film, 2µm
with hole for 6851-E Autopolisher
PU: 50 pcs

6192-B

Tubing Kit
This Tubing or Breakout Kit is for direct termination of HotMelt connectors on loose tube cabels with 250µm primary coated fibres. The 900µm buffer tube slides over the primary coated fibre and offers more mechanical protection as well as better strain relief on the connector.

DE-0100-0900-4

Kit Content:
- Transparent PP-tube (60 m)
- Heatshrink tube 6,4, x 50 mm with glue (25 ea)
- Metal protection tube for the sparation zone loose
  tube/buffer tubes (25 ea)
- Colour rings for coding (12 different colours, 10 ea colour)
- Instruction manual

8.2   Assembly Systems
8.2.2 3M™ Crimplok™ Connectors

Description

Crimplok™

The Crimplok™ connector combines the speed of non-adhesive connectors with the performance characteristics of epoxy and Hot Melt connectors. Crimplok™ Connectors are the ideal solution for emergency restoration work or for quickly making fibre connections at the desk.

Crimplok connectors were designed to:
• Save time in installation
• Provide rugged, reliable performance, meeting or exceeding current EIA/TIA 568, ISO 11801 and EN 50173 specifications.
• Install cleanly and simply with fewer parts and tools.

Available in both SC and ST, single mode and multimode connector versions, Crimplok connectors are faster to install than epoxy connectors since there is no set-up or curing time. Crimplok connectors do not require special heating tools or ovens, so time spent searching for electrical outlets is eliminated. Polishing the connector is also a simple process that can be performed in seconds.

The Crimplok connector incorporates proven 3M malleable metal element fibre gripping technology. There is no fibre splice or second joint inside the connector, so there is no added attenuation at the connection. When the conformable metal element closes, it grips a length of the fibre, eliminating fibre movement associated with other crimp-style connectors. The strength of the metallic element ensures that Crimplok connectors meet industry standards for temperature and humidity.

ST Connector   **SC Connector**

Highlights:

• quick, simple and safe assembly in the field

• no adhesive required

• simple manual polishing process

• all connectors contain a pre-radiused Zirconia ferrule

• anti-bend design boot

• suitable for all LAN and CATV applications

• minimal tools required

• no electricity required

• meets EIA/TIA-568 specifications

Type/Order text   Ref.-No.

The Crimplok assembly kit for ST and SC connectors, contains all the tools and consumables needed for assembly.
Supplied in a convenient carrying case.

Crimplok assembly case   **6955**

Contents of case:
1. Crimping pliers, universal
2. 6955-T Activation Tool
3. Polishing film 2μ, 200 discs
4. Polishing film 0,05μ, 50 discs
5. Polishing pad
6. Plastic bottle, empty
7. Special scissors
8. Stripping tool for cable sheath
9. Stripping tool for coating
10. Microscope, illuminated, 100X
11. Cleaning cloth, 100-pieces
12. Polishing puck
13. Assembly instructions
14. Carrying case

Activation Tool, ST/SC   **6955-T**
PU: 1 pc

Polishing film 2μm, oval with adhesive back   **SP-00503**
PU: 200 pcs

Description

Fibrlok™ Universal

Fibrlok is a universal mechanical splice, which can be used wherever quick and secure splice connections are required.

Fibrlok Universal splice consists of a highly resistant plastic base, body, and lid, in which a metallic element provides the connection. The metal element surrounds the optical fibres to be connected aligning the fibres precisely and permanently in place.
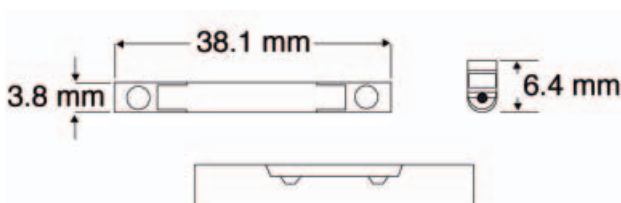
The universal splice utilizes a single cleave length for both 250 and 900µm coated fibres and has the ability to compensate for variations in fibre outer diameters for improved splicing yield.

The Fibrlok Universal splice can be used with multimode and single-mode fibres with 125 µm diameter and coatings of 250 to 900 µm.

Apply in
- Overhead cable joints
- In-ground joints
- Assembly shafts
- Cable branching boxes
- Building wiring

3M™ Fibrlok™

Highlights:

- Fibrlok™ is a universal splice for both 250 to 900 µm coated fibres

- The same splice is used for either singlemode or multimode fibres

- Identical stripping lengths are used for 250/900 µm fibres

- Repositioning of fibres is possible

Connector type	Fibrlok™
Fibre diameter	125µm
Coating	250 to 900 µm
Life cycle	> 30 years (Arrhenius DIN/IEC 88 T1)
Assembly time	<30 s after preparation of fibre ends
Insertion loss	mean = 0,1 dB
Return loss	>35 dB from −40°C to +80°C >60 dB at room temperature
Fibre pull strength	>4,5 N, typically 13 N
Material	highly temperature-resistant plastic with aluminium alloy metal element UL 94, V-0 value
Operating temperature	-40°C to +80°C
Temperature cycle	Change of insertion loss: <0.5 dB. from -40°C to +80°C
Fungus resistance	ASTM G-21-70; value 0
Vibration	EIA standard FOTP-11, test procedure 1
Water resistance	7 days at +43° C, change in attenuation <=0.05 dB

Fibrlok™ 2529 universal connector for optical fibres

The following diagram illustrates the distribution of results from measuring the insertion loss on 550 Fibrlok™ universal connectors (equal optical fibres, coating: 250 µm).
Mean insertion loss: 0.07 dB.
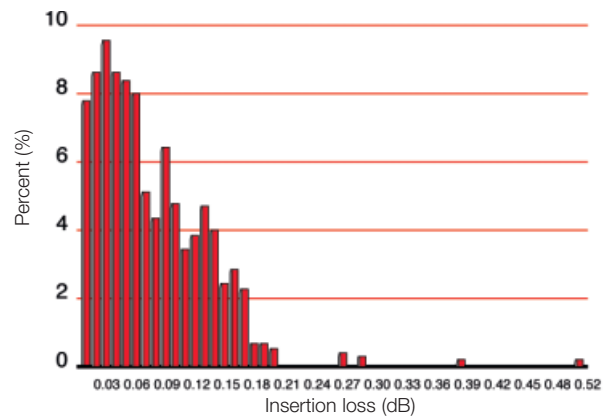
Cross-section of an open and closed Fibrlok™ Universal

To make the connection, the prepared fibre ends are inserted into the connector. Using the assembly tool, the connector lid is closed, and the metal element positions the fibres accurately together.
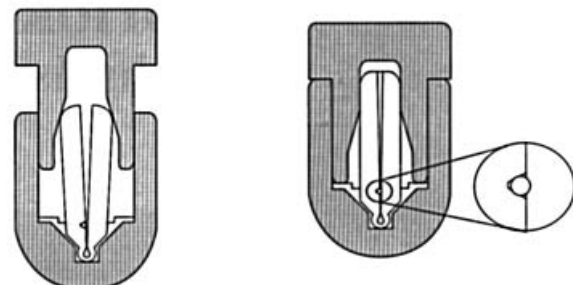
8.2 Assembly Systems
8.2.3 3M™ Fibrlok™

Type/Order text	Ref.-No.

Fibrlok™ Universal

Kit Content:
- 2501 assembly tool
- T&B Cleaver (for 2530 only)
- Microstrip fibre stripper
- Miller cable stripper
- Ideal cable stripper
- Scissors
- Empty palstic bottle
- Lint free cloths (100 ea)
- Carrying case

Fibrlok™ Universal Tool Kit
For production of mechanical splicing connections with
Fibrlok Universal, splice. All required tools in a convenient case.
PU: 1 set in carrying case

Complete	**2530**
Without Cleaver	**2531**

Fibrlok™ Universal, single fibre mechanical splice   2529
The Fibrlok Universal splice for optical glass fibres can be used with
single-mode or multimode fibres with 125 µm diameter and coatings
of 250 to 900 µm.
PU: 60 pcs

Fibrlok™ Universal Splice Holder   2529-H
To accommodate 6 Fibrlok Universal splice connectors, single,
in Quante DIN splicing cassette
PU: 20 pcs

T&B Cleaver   80-6105-7226-7
Fibre cleaving tool for Universal Fibrlok™
PU: 1 pc
Contents of case:
- Cleaver
- Clamp for table mounting

Fibrlok Holder and Actuator   2539
This new accessory for the 2529 Fibrlok Mechanical Splice
is a holder and actuator in one combined design. Now it is
possible to pre-terminate Fibrloks in Termination Boxes.

Based upon Fibrlok technology, 3M develops an extended range of
cost effective and craft friendly interconnect products especially
tageted towards the FTTH-Market, which will be offered shortly.
For more details please contact your local sales representative.
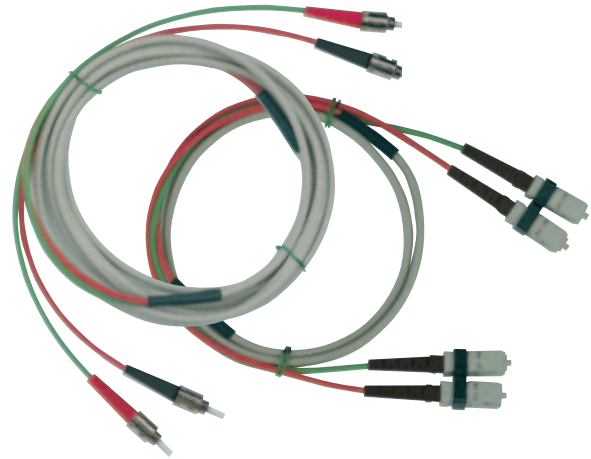
8.3.1 3M™ Multimode Patch Cords

Description

Patch Cords ST-ST / SC-SC

Only standard length patch cords are available from stock. Please contact your local 3M customer service first for stock status.

Technical data:

Adhesive type:	Epoxy
Fibre type:	50/125, OM2
	50/125, OM3
Insertion Loss:	< 0,3 dB typ.
Return Loss:	≥ 20 dB typ.
Ferrule:	Zirconia Ceramic
Housing:	Metal (ST)
	Plastic, grey (SC)
Boot colour:	Black/red (ST-duplex)
	Black/beige (SC-duplex)
Operating Temperature:	-40°C to 60°C
Storage Temperature:	-40°C to 80°C
Cable Type:	I-VH 2G50/125, LSZH
Jacket colour:	grey or orange

ST-ST Patch Cords   ST-SC Patch Cords

Type/Order text		Ref.-No.

ST-ST Patch cords, multimode, duplex
50/125µm, grey or orange jacket colour, zip cord

Length: 1 m	PU: 12 pcs	**BANAN-AX0001**
Length: 2 m	PU: 12 pcs	**BANAN-AX0002**
Length: 3 m	PU: 12 pcs	**BANAN-AX0003**
Length: 5 m	PU: 12 pcs	**BANAN-AX0005**

SC-SC Patch cords, multimode, duplex
50/125µm, grey or orange jacket colour, zip cord

Length: 1 m	PU: 12 pcs	**BDBDB-AX0001**
Length: 2 m	PU: 12 pcs	**BDBDB-AX0002**
Length: 3 m	PU: 12 pcs	**BDBDB-AX0003**
Length: 5 m	PU: 12 pcs	**BDBDB-AX0005**

SC-SC Patch cords, multimode, duplex, OM3
50/125µm, grey or orange jacket colour, zip cord

Length: 1 m	PU: 12 pcs	**BDBDB-CB0001**
Length: 2 m	PU: 12 pcs	**BDBDB-CB0002**
Length: 3 m	PU: 12 pcs	**BDBDB-CB0003**
Length: 5 m	PU: 12 pcs	**BDBDB-CB0005**

8.3 Cable Assemblies
8.3.1 3M™ Multimode Patch Cords

Description

Patch Cords ST-SC / MTRJ-ST / MTRJ-SC

Only standard length patch cords are available from stock. Please contact your local 3M customer service first for stock status.
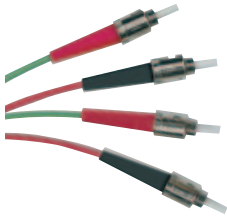
Technical Data:

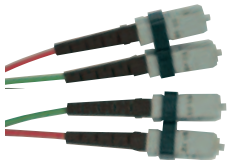|	
Adhesive type:	Epoxy
Fibre type:	50/125, OM2
	50/125, OM3
Insertion Loss:	< 0,3 dB typ.
Return Loss:	≥ 20 dB typ.
Ferrule:	Zirconia Ceramic
Housing:	Metal (ST)
	Plastic, grey (SC)
	Plastic, black (MTRJ)
Boot colour:	Black/red (ST)
	Black/beige (SC)
Operating Temperature:	-40°C to 60°C
Storage Temperature:	-40°C to 80°C
Cable Type:	I-VH 250/125, LSZH
Jacket colour:	grey or orange

ST-SC Patch Cord

MTRJ-ST Patch Cord

MTRJ-SC Patch Cord

Type/Order text

Ref.-No.
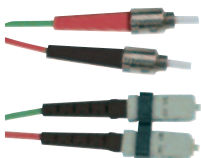
ST-SC Patch cords, multimode, duplex
50/125µm, grey or orange jacket colour, zip cord

Length: 1 m	PU: 12 pcs	**BANDB-AX0001**
Length: 2 m	PU: 12 pcs	**BANDB-AX0002**
Length: 3 m	PU: 12 pcs	**BANDB-AX0003**
Length: 5 m	PU: 12 pcs	**BANDB-AX0005**
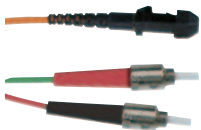
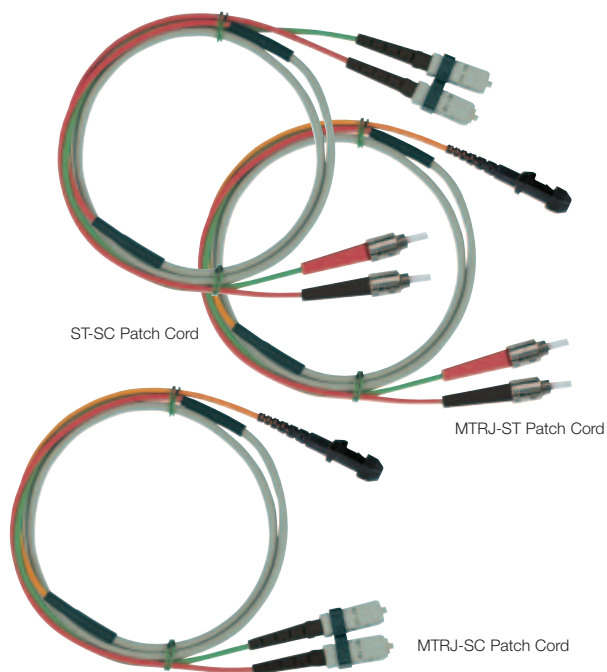**MTRJ-ST Patch cords, multimode, duplex**
50/125µm, grey or orange jacket colour, zip cord

Length: 1 m	PU: 12 pcs	**BANMT-CT0001**
Length: 2 m	PU: 12 pcs	**BANMT-CT0002**
Length: 3 m	PU: 12 pcs	**BANMT-CT0003**
Length: 5 m	PU: 12 pcs	**BANMT-CT0005**
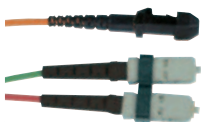
MTRJ-SC Patch cords, multimode, duplex, OM3
50/125µm, grey or orange jacket colour, zip cord

Length: 1 m	PU: 12 pcs	**BDBMT-CT0001**
Length: 2 m	PU: 12 pcs	**BDBMT-CT0002**
Length: 3 m	PU: 12 pcs	**BDBMT-CT0003**
Length: 5 m	PU: 12 pcs	**BDBMT-CT0005**

8.3   Cable Assemblies
8.3.1 3M™ Multimode Patch Cords

Description

Patch Cords SC-LC / LC-LC

Only standard length patch cords are available from stock. Please contact your local 3M customer service first for stock status.

Technical Data:

Adhesive type:	Epoxy
Fibre type:	50/125, OM2
	50/125, OM3
Insertion Loss:	< 0,3 dB typ.
Return Loss:	≥ 20 dB typ.
Ferrule:	Zirconia Ceramic
Housing:	Plastic, grey
Boot colour:	White (LC)
	Black/beige (SC)
Operating Temperature:	-40°C to 60°C
Storage Temperature:	-40°C to 80°C
Cable Type:	I-VH 250/125, LSZH
Jacket colour:	grey or orange

SC-LC Patch Cord

Type/Order text   Ref.-No.

SC-LC Patch cords, multimode, duplex
50/125/2000µm, grey or orange jacket colour, zip cord

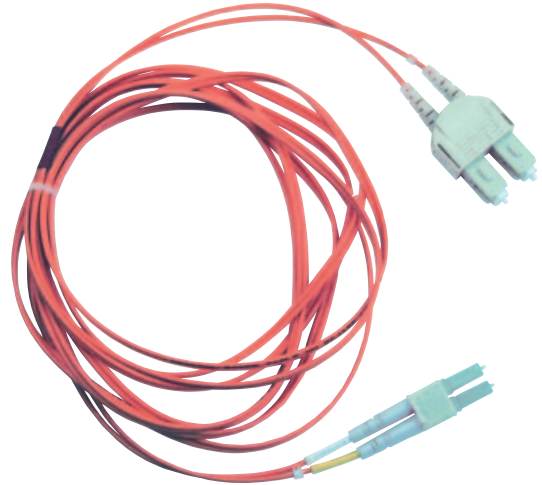|		
Length: 1 m	PU: 12 pcs	**BDBDU-AX0001**
Length: 2 m	PU: 12 pcs	**BDBDU-AX0002**
Length: 3 m	PU: 12 pcs	**BDBDU-AX0003**
Length: 5 m	PU: 12 pcs	**BDBDU-AX0005**

SC-LC Patch cords, multimode, duplex, OM3
50/125/2000µm, grey or orange jacket colour, zip cord

Length: 1 m	PU: 12 pcs	**BDBDU-CB0001**
Length: 2 m	PU: 12 pcs	**BDBDU-CB0002**
Length: 3 m	PU: 12 pcs	**BDBDU-CB0003**
Length: 5 m	PU: 12 pcs	**BDBDU-CB0005**

LC-LC Patch cords, multimode, duplex
50/125/2000µm, grey or orange jacket colour, zip cord

Length: 1 m	PU: 12 pcs	**BDUDU-AX0001**
Length: 2 m	PU: 12 pcs	**BDUDU-AX0002**
Length: 3 m	PU: 12 pcs	**BDUDU-AX0003**
Length: 4 m	PU: 12 pcs	**BDUDU-AX0004**

LC-LC Patch cords, multimode, duplex, OM3
50/125/2000µm, grey or orange jacket colour, zip cord

Length: 1 m	PU: 12 pcs	**BDUDU-CB0001**
Length: 2 m	PU: 12 pcs	**BDUDU-CB0002**
Length: 3 m	PU: 12 pcs	**BDUDU-CB0003**
Length: 5 m	PU: 12 pcs	**BDUDU-CB0005**

8.3.2 3M™ Single-mode Patch Cords

Description

Patch Cords ST-ST / ST-SC / SC-SC

Only standard length patch cords are available from stock. Please contact your local 3M customer service first for stock status.

Technical Data:

Adhesive type:	Epoxy
Fibre type:	9/125
Insertion Loss:	< 0,2 dB typ.
Return Loss:	≥ 55 dB typ.
Ferrule:	Zirconia Ceramic
Housing:	Plastic, blue (SC)
	Metal (ST)
Boot colour:	Yellow (ST)
	White (SC)
Operating Temperature:	-40°C to 85°C
Storage Temperature:	-40°C to 80°C
Cable Type:	I-VH 19/125, LSZH
Jacket colour:	yellow

ST-ST Patch Cord

ST-SC Patch Cord

ST-SC Patch Cord

Type/Order text | Ref.-No.

ST-ST Patch cords, single-mode, simplex
9/125µm, yellow jacket colour

Length: 1 m	PU: 12 pcs	**AAMAM-AT0001**
Length: 2 m	PU: 12 pcs	**AAMAM-AT0002**
Length: 3 m	PU: 12 pcs	**AAMAM-AT0003**
Length: 5 m	PU: 12 pcs	**AAMAM-AT0005**

ST-SC Patch cords, single-mode, simplex
9/125µm, yellow jacket colour

Length: 1 m	PU: 12 pcs	**AAMDA-AT0001**
Length: 2 m	PU: 12 pcs	**AAMDA-AT0002**
Length: 3 m	PU: 12 pcs	**AAMDA-AT0003**
Length: 5 m	PU: 12 pcs	**AAMDA-AT0005**

SC-SC Patch cords, single-mode, simplex
9/125µm, yellow jacket colour

Length: 1 m	PU: 12 pcs	**ADADA-AT0001**
Length: 2 m	PU: 12 pcs	**ADADA-AT0002**
Length: 3 m	PU: 12 pcs	**ADADA-AT0003**
Length: 5 m	PU: 12 pcs	**ADADA-AT0005**

8

8.3   Cable Assemblies
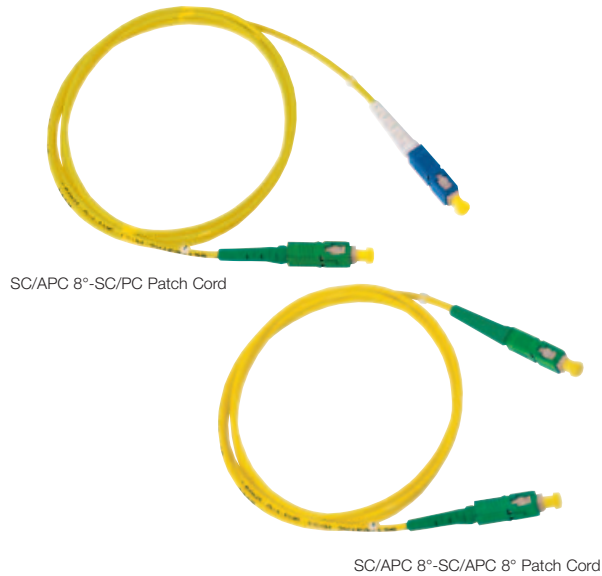## 8.3.2 3M™ Single-mode Patch Cords

Description

Patch Cords SC/APC 8°-SC/PC SC/APC 8°-SC/APC 8°

Only standard length patch cords are available from stock. Please contact your local 3M customer service first for stock status.

Technical Data:

Adhesive type:	Epoxy
Fibre type:	9/125
Insertion Loss:	< 0,2 dB typ.
Return Loss:	≥ 70 dB typ.
Ferrule:	Zirconia Ceramic
Housing:	Plastic, blue (SC/PC)
	Plastic, green (SC/APC)
Boot colour:	Green (APC)
	White (SC)
Operating Temperature:	-40°C to 85°C
Storage Temperature:	-40°C to 80°C
Cable Type:	I-VH 19/125, LSZH
Jacket colour:	yellow

SC/APC 8°-SC/PC Patch Cord

SC/APC 8°-SC/APC 8° Patch Cord

Type/Order text	Ref.-No.

SC/APC 8°-SC/PC Patch cords, single-mode, simplex 9/125µm, yellow jacket colour

Length: 1 m	PU: 12 pcs	**AEPDA-AT0001**
Length: 2 m	PU: 12 pcs	**AEPDA-AT0002**
Length: 3 m	PU: 12 pcs	**AEPDA-AT0003**
Length: 5 m	PU: 12 pcs	**AEPDA-AT0005**

SC/APC 8°-SC/PC 8° Patch cords, single-mode, simplex 9/125µm, yellow jacket colour

Length: 1 m	PU: 12 pcs	**AEPEP-AT0001**
Length: 2 m	PU: 12 pcs	**AEPEP-AT0002**
Length: 3 m	PU: 12 pcs	**AEPEP-AT0003**
Length: 5 m	PU: 12 pcs	**AEPEP-AT0005**

For other cable assemblies, not stated in this catalogue please contact your local 3M sales representative.
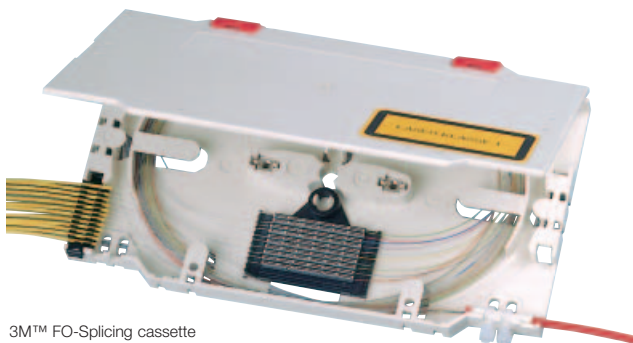
8.3   Accessories
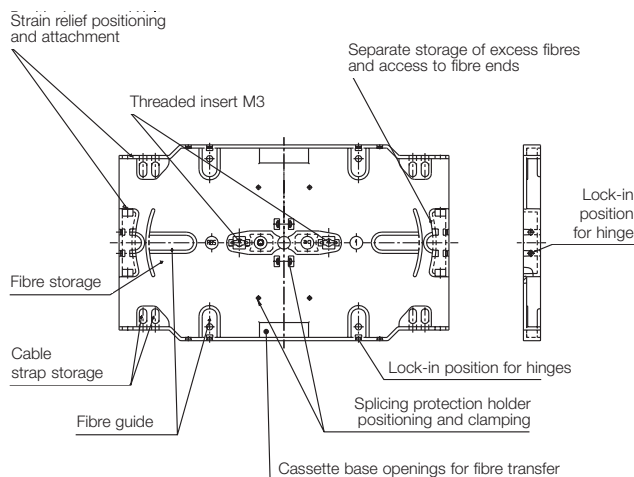## 8.3.3 3M™ DIN Splicing Cassettes

Description

3M™ FO splicing cassettes manufactured to DIN standards

FO splicing cassette conforming to DIN 47662 and Telecom standards for up to 12 splice connections. Numerous retaining options for FO bunched fibres and single fibres.

3M™ FO-Splicing cassette

Strain relief positioning and attachment

Threaded insert M3

Separate storage of excess fibres and access to fibre ends

Fibre storage

Cable strap storage

Fibre guide

Lock-in position for hinges

Splicing protection holder positioning and clamping

Cassette base openings for fibre transfer

Lock-in position for hinge

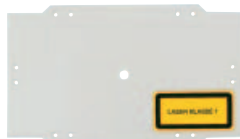| Type/Order text		Ref.-No.
	FO-Splicing cassette Incl. strain relief and cable management Dimensions: 155 x 92 x 8 mm (HxWxD) Colour: RAL 9001 (cream white), PU: 10 pcs	**29026-500 31**
	FO-Splicing cassette Incl. splice protective holder for 12 crimp splice protectors and cable management Dimensions: 155 x 92 x 8 mm (HxWxD) Colour: RAL 9001 (cream white), PU: 10 pcs	**29026-500 30**
	FO Lid For splicing cassette, colour: RAL 9001 (cream white) Dimensions: 155 x 92 x 2 mm (HxWxD), colour: RAL 9001 (cream white) PU: 10 pcs PU: 50 pcs	**29025-503 31** **29025-503 30**
	Hinge To connect splicing cassette and lid, PU: 100 pcs	**03-756-00500**
	FO-Strain relief For 12 fibres with Ø 0.9 and 1.1mm coating PU: 50 pcs	**29031-000 30**
	FO-Splicing protection holder, crimp PU: 10 pcs, for 12x crimp splice protectors	**05-760-08000**
	FO-Crimp splice protector PU: 150 pcs	**05-760-08100**
	FO-Splicing protection holder, shrink PU: 10 pcs, for 6x shrink splice protectors	**05-760-11900**
	FO-Heatshrink splice protector 60 mm FSS 1 PU: 1000 pcs	**05-760-12000**
	FO-Heatshrink splice protector 45 mm FSS 1/2,4 PU: 1000 pcs	**05-760-12100**
	FO-Splicing holder Fibrlok™ Universal PU: 20 pcs, for 6x Fibrlok	**2529-H**

8.4　Distribution Boxes
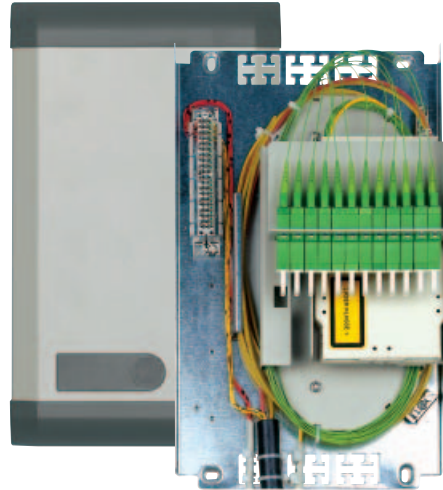## 8.4.1　3M™ VKA 2/GF

Description

3M™ VKA 2/GF

The VKA 2/GF optical fibre distribution box is specifically designed as an interior transfer or termination point for optical fibre runs. It is well-suited to environments where space is limited and a cost effective solution is required.

The VKA 2/GF houses two FO splicing cassettes which can hold up to 24 splice connections. With the addition of a connector mounting plate (optional) the boxes can also be used as a patch distribution frame.

Highlights:

- Splice or patch distribution frame for 24 splice connections (2 FO splicing cassettes)

- FO connector mounting plates for 12 connectors E2000/SC, ST/FC or 6 connectors SC duplex

- accommodates hybrid cables using copper connector blocks, either 2x10 pair or 1x20 pair (SID-CD). Overvoltage protection can be used

- Lockable

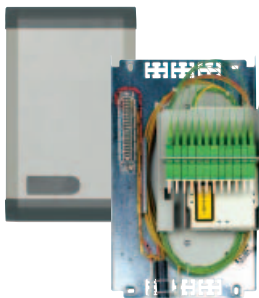- Remote monitoring via lid contact

3M™ VKA 2/GF

If hybrid cables are used, the modular design of the VKA 2/GF makes it possible for either two 10 pair or one 20 pair copper connector blocks (Quante™ SID™-CD) to be accommodates.

Protection rating: IP 40 (DIN 40050)

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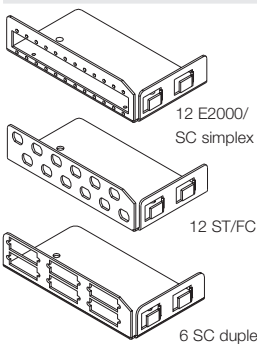|	
VKA 2/GF for 24 splice connections Dimensions (HxWxD): 330 x 200 x 100 mm Weight: approx.　　2.1 kg; PU:　　　　　　　1 unit **Contents:** • Base plate with earth terminal and attachment for copper connector block • Cassette tray for FO splicing cassettes • 2 FO splicing cassettes with splice protection holder • Housing lid with snap closure • Cable management, assembly instructions	**52-303-00030**
FO connector mounting plates 12 E2000/SC simplex	**52138-019 30**
FO connector mounting plates 12 ST/FC	**52138-018 30**
FO connector mounting plates 6 SC duplex	**52138-016 30**
VKA-Monitoring switch Lid contact only useable in combination with lock kit	**52096-519 00**

8.4 Distribution Boxes
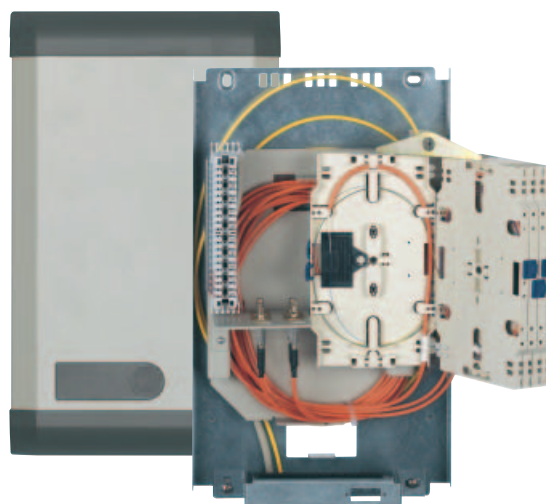## 8.4.1 3M™ VKA 2/GF-EFM

Description

3M™ VKA 2/GF-EFM with single fibre management

The VKA 2/GF-EFM serves as a final distribution or splice distribution frame in optical fibre networks and is capable of accommodating up to 12 splice connections in six FO splicing cassettes.

A feature of the VKA 2/GF-EFM is that it provides the opportunity for both single and multiple fibre management. This type of fibre management enables the storage of the splice for a connection to be separate from all other fibres. Ideally, two fibres will be stored in one splicing cassette. Using this method to manage the fibres, existing fibre connections will not be affected, even at later extensions or service work.

Highlights:

- Single-fibre management for up to 12 splicing connections (24 fibres)

- FO cassette stack, completely removable

- Separate cable guide levels for incoming and outgoing sides

- Connector holders for SC, ST or FC connections

- Copper connector block for hybrid cables

- Lockable

- Remote monitoring via lid contact

- Utilises the same design as the VKA distribution frame

3M™ VKA 2/GF-EFM

By using different connector mounting plates, the VKA 2/GF-EFM can be used as a patch distribution frame. It is possible to install a 10 pair copper connector block (Quante™ SID™-CT) for use with hybrid cables.
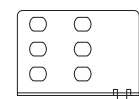
Type/Order text | Ref.-No.
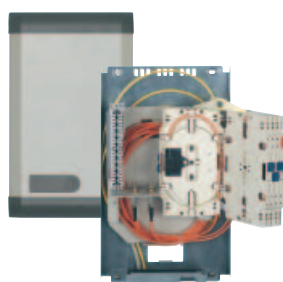
|	
VKA 2/GF-EFM for 12 splice connections	**52-303-00000**
Protection rating: IP 40 (DIN 40050)	
Dimensions (H x W x D): 330 x 200 x 100 mm	
Weight: approx. 2.1 kg;	
PU: 1 unit	
Contests: - Base plate with earth terminal and attachment for copper connector block	
- Cassette stack with 6 FO splicing cassettes, hinges and cassette lids included	
- Unlocking tools	
- Cable management	
- Assembly instructions	
FO connector mounting plates holders 6 ST/FC	**52138-009 30**
Lock kits VKA lock kit Q2	**52096-523 00**
VKA lock kit Q3	**52096-521 00**
VKA lock kit Q15	**52096-526 00**
VKA-Monitoring switch	**52096-519 00**
Lid contact only useable in combination with lock kit	

Description

3M™ VKA 4/GF, 3M™ VKA 8/GF

VKA 4/GF and VKA 8/GF are optical fibre distribution frames capable of housing upto 48 and 96 splice connections in either four or eight FO splicing cassettes, respectively. These capacities can be further expanded to 72 or 144 splice connections by the addition of a further 2 or 4 splicing cassettes. In these cases it will not be possible to install a FO connector mounting plate.

Using optional connector mounting plates, the two splice distribution frames can be converted to patch distribution frames.

Highlights:

- Capacity as:
  Patch distribution frame, 48 (VKA 4/GF) or 96 (VKA 8/GF) splice connections
  Splice distribution frame, 72 (VKA 4/GF) or 144 (VKA 8/GF) splice connections
- Connector mounting plates for SC, E2000, FC or SC connections
- Copper termination for hybrid cables possible with overvoltage protection
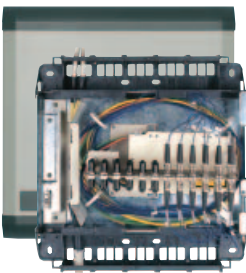- Remote monitoring via lid contact
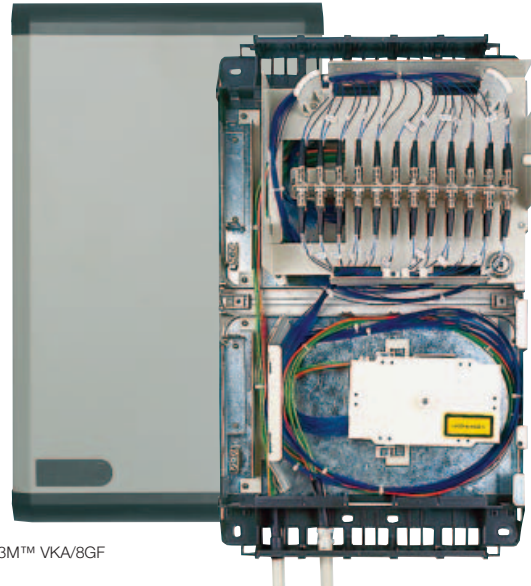
3M™ VKA/8GF

The VKA 4/GF can be equipped with one, the VKA 8/GF with two connector mounting plates. For the use of hybrid cables (with copper leads), there is a provision for the installation of 10 pair copper connector blocks (SID-CT).

## Type/Order text   Ref.-No.

3M™ VKA/4GF

VKA 4/GF for 48 splice connections	**52-303-00100**
VKA 8/GF for 96 splice connections	**52-303-00200**

Protecting rating: IP 40 (DIN 40050)
Dimensions (HxWxD) :330x330x125 mm, 550x330x125 mm
Weight: approx.   2.8 / 4.9 kg;
PU: 1 unit
Contents: - Base plate with earth terminal and attachment
                 materials for copper connector blocks
             - Cassette tray for FO splicing cassettes
             - 4 or 8 splicing cassettes with splice protection holder
             - 1 or 2 splicing cassette lids
             - Plastic cable inlets and clamping
             - Housing lid with snap closure
             - Cable management
             - Assembly instructions

24 ST/FC

12 SC-Duplex
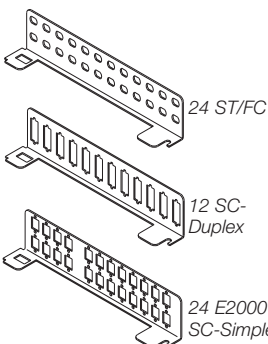
24 E2000 SC-Simplex

FO connector holders 24 ST/FC	**52138-010 30**
FO connector holders 12 SC-Duplex	**52138-012 30**
FO connector holders 24 E2000 / SC-Simplex Installation above the FO splicing cassettes	**52138-013 30**
VKA-Monitoring switch Lid contact only useable in combination with lock kit	**52096-519 00**

8.4   Distribution Boxes
8.4.2 3M™ 2552SA

## Description

3M™ 2552 SA Wallmount distribution box

The 3M 2552SA offers excellent fibre management in an affordable box with an attractive, low profile design able to be wall mounted anywhere in your LAN network. The box is also suitable for housing consolidation points.

The 2552SA series brings efficient use of space as well as functionality and rugged durability. The boxes have a unique sliding lid to provide easy access to couplings and fibre management.

Interchangeable connector panels are available to accommodate: ST simplex & duplex couplings, SC duplex couplings, FC flanged couplings, FC "D" mount couplings, and the Volition™ VF-45™ Socket.

Fibres can either be directly terminated or spliced to pigtails using either Fibrlok™ or fusion splicing. The 2552SA is constructed from flame retardant material.

The 2552SA is part of 3M's large family of fibreoptic products including connectors, couplings cable assemblies splices and more.
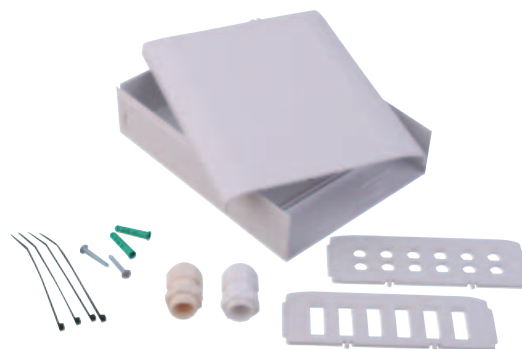
Highlights:

• Assortment of coupling plates will handle all major connector styles

Type/Order text

Ref.-No.

2552SA

Dimensions (HxWxD) :210 x 160 x 65 mm
Weight: approx. 0,5 kg/ea.
MOQ: 10 units

Content:
Exchangeable face plates for:
ST simplex /
FC-"D" Mount /
SC duplex plate up to 12x fibres

2552SA