

Zeta Fibre Multimode Fibre Optic Products



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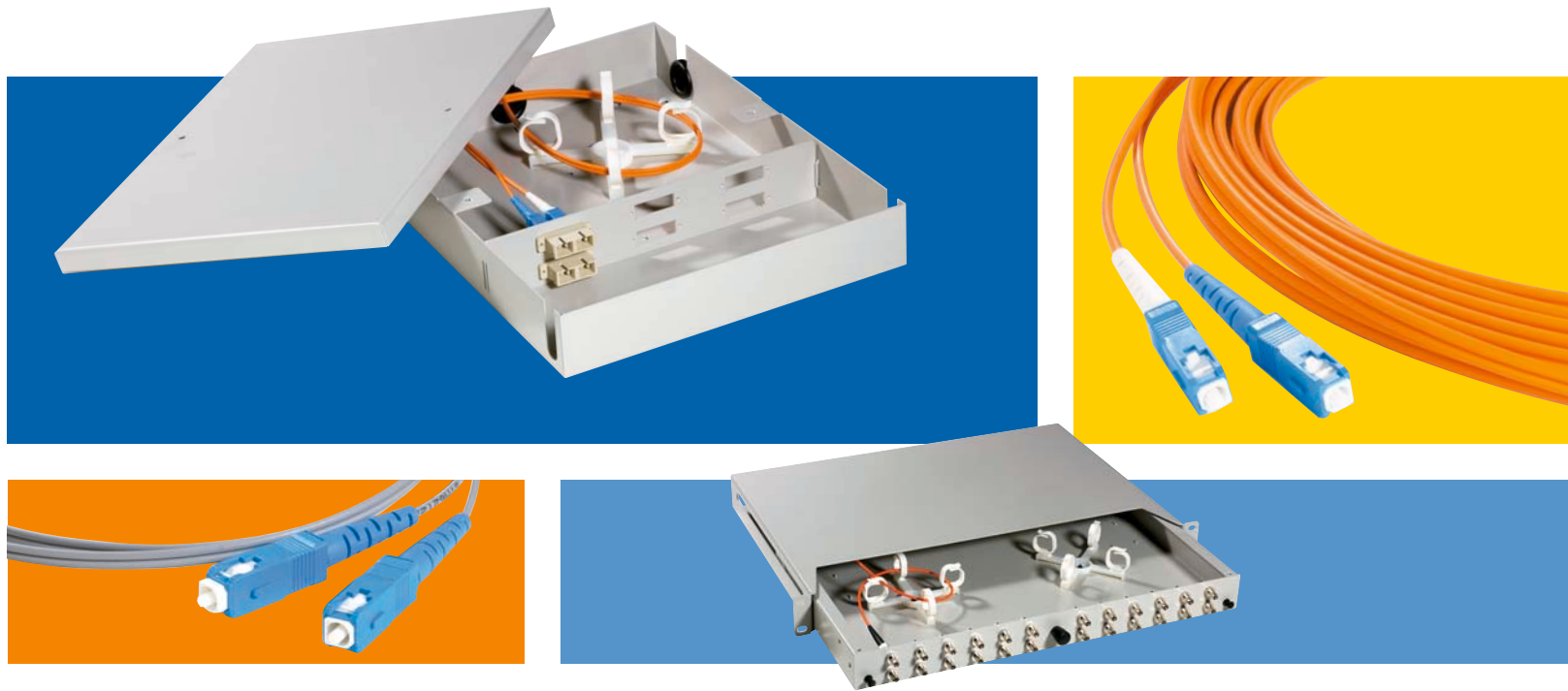
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Zeta Fibre Technical Specification



Zeta Fibre Cable

Zeta Fibre cable assemblies utilise extended grade 62.5/125 or 50/125 micron fibre and are constructed with a low smoke zero halogen buffer and sheath.

Type	Attenuation		Bandwidth		Numerical Aperture	Nominal Core	Nominal Coating OD	Sheath Colour
	850nm	1300nm	850nm	1300nm				
50/125	2.4	0.6	400	800	0.2	50 um	250 um	Green
62.5/125	2.9	0.7	160	500	0.275	62.5 um	250 um	Orange

Trust Pressac to make your fibre connection

Choose Pressac for your fibre connectivity and your company couldn't be better connected. Based in Nottingham, England, Pressac is a market leader and established supplier of high quality products to the telecommunications market worldwide. You'll find our full range of multimode fibre products in this brochure.

To order call Pressac on + 44 (0) 115 936 5200

Zeta Fibre - Multimode Fibre Optic Range

The Pressac Zeta Fibre multimode fibre optic range consists of the following products:

- Patch Panels
- Breakout Boxes
- SC, ST, MTRJ adapters
- Pre terminated cables
- SC, ST, MTRJ pigtailed
- SC, ST, MTRJ patch cords
- SC and ST cold cure connectors
- ST and SC cold cure kits

Specifically designed for integration into structured cabling systems, Zeta Fibre provides a complete solution for installation of a fibre optic backbone.

Additional features and benefits of Zeta Fibre cable assemblies include

- 2000N crush resistance
- High tensile strength
- -20°C to +70°C operating temperature

specifications

Zeta Fibre - 20 Year Product Warranty

All Zeta Fibre components are supplied under a 20 Year Product Warranty.

Pressac Communications guarantees that all Zeta Fibre components supplied under the Zeta Fibre brand are free from manufacturing defects and will repair or replace any product which is shown to be defective in material or workmanship for a 20 year period from the date of installation (terms and conditions apply).

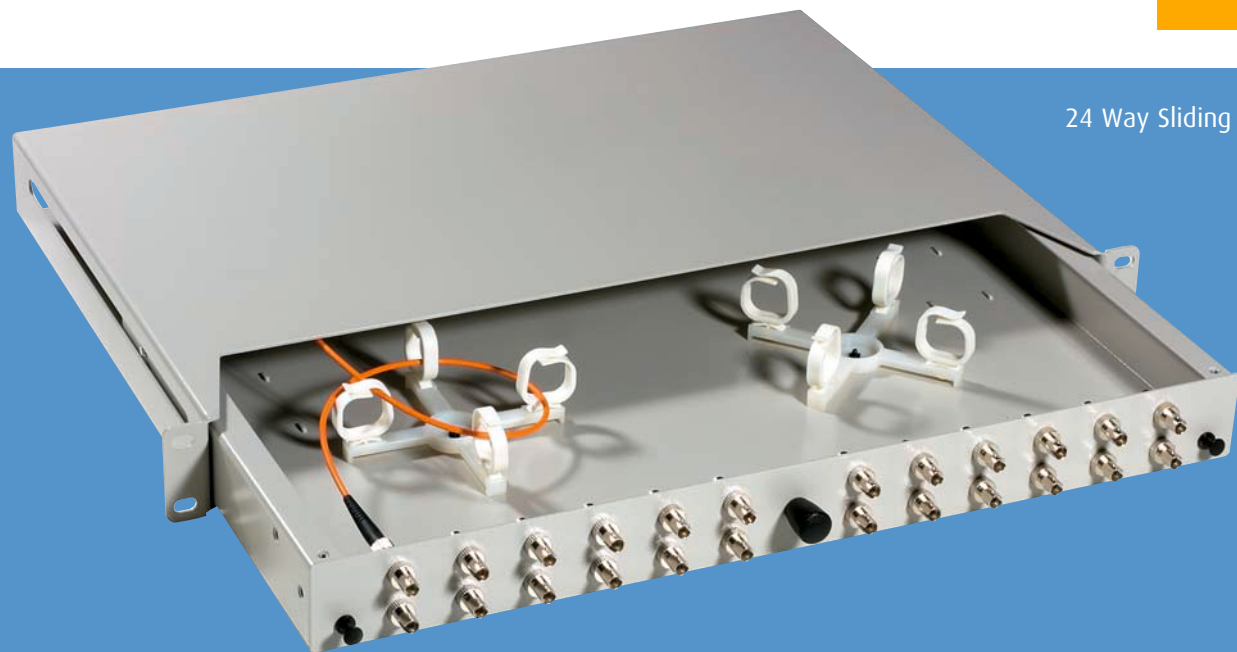
Zeta Fibre 19 inch Patch Panels

Zeta Fibre patch panels are produced in ST, SC simplex, SC duplex and MTRJ variants and can be supplied unloaded, part loaded or fully loaded. Constructed from 1.5mm thick steel they feature a sliding tray for easy installation of incoming fibres and ongoing panel maintenance. Fibre entry is through 4 rear gromets.

Installation of SC, ST and MTRJ adapters is achieved by screwing or snapping them into pre cut holes. A strain relief point is provided for the secure management of incoming fibre cables as well as the provision of two cable routers to facilitate efficient and tidy fibre management.

Part Number	Description
48.RP.ST100XXX	1U Unloaded Sliding Drawer ST Panel
48.RP.ST108MMBS	1U 8 Way Sliding Drawer ST Panel
48.RP.ST124MMBS	1U 24 Way Sliding Drawer ST Panel
48.RP.SC100XXX	1U Unloaded Sliding Drawer SC Simplex/MTRJ Panel
48.RP.SC108MMBS	1U 8 Way Sliding Drawer SC Simplex Panel
48.RP.SC124MMBS	1U 24 Way Sliding Drawer SC Simplex Panel
48.RP.MT108MMBD	1U 8 Way Sliding Drawer MTRJ Panel
48.RP.MT124MMBD	1U 24 Way Sliding Drawer MTRJ Panel
48.RP.SC100XXXD	1U Unloaded Sliding Drawer SC Duplex Panel
48.RP.SC108MMBD	1U 8 Way Sliding Drawer SC Duplex Panel
48.RP.SC124MMBD	1U 24 Way Sliding Drawer SC Duplex Panel

patch panels



24 Way Sliding Drawer ST Panel

Zeta Fibre Breakout Boxes

Zeta Fibre breakout boxes are produced in ST, SC simplex and SC duplex variants and can be supplied unloaded, part loaded or fully loaded. Constructed from 1mm thick steel they are designed for wall or floor mounting and feature a screw down lid to prevent unauthorised access.

Installation of SC and ST adapters is achieved by screwing or snapping them into pre cut holes. A strain relief point is provided for the secure management of incoming fibre cables as well as the provision of a cable router to facilitate efficient and tidy fibre management.



4 Way Loaded SC Duplex Break Out Box

Part Number	Description
48.BB.ST00XXXS	Unloaded ST Simplex Break out Box
48.BB.ST04MMBS	4 way Loaded ST Simplex Break out Box
48.BB.ST12MMBS	12 way Loaded ST Simplex Break out Box
48.BB.SC00XXXS	Unloaded SC Simplex Break out Box
48.BB.SC04MMBS	4 way Loaded SC Simplex Break out Box
48.BB.SC12MMBS	12 way Loaded SC Simplex Break out Box
48.BB.SC00XXXD	Unloaded SC Duplex Break out Box
48.BB.SC04MMBD	4 way Loaded SC Duplex Break out Box
48.BB.SC12MMBD	12 way Loaded SC Duplex Break out Box

breakout boxes

Zeta Fibre Adapters

Zeta Fibre multimode adapters are available in ST, SC to SC simplex, SC to SC duplex, SC to ST simplex, ST to SC duplex and MTRJ variants. They are primarily designed to either screw (ST) or snap (SC/MTRJ) into the pre punched holes of patch panels or breakout boxes.

Moulded from high quality plastic and inserted with phosphor bronze sleeves, they are suitable for all multimode applications.

Part Number	Description
48.AD.STSTMMBS	ST to ST Adapter phosphor bronze sleeve
48.AD.SCPMMBS	SC to SC Simplex Adapter phosphor bronze sleeve
48.AD.SCPMMBD	SC to SC Duplex Adapter phosphor bronze sleeve
48.AD.SCSTMMBS	SC to ST Simplex Adapter phosphor bronze sleeve
48.AD.SCSTMMBD	SC to ST Duplex Adapter phosphor bronze sleeve
48.AD.MTRJMMD	MTRJ to MTRJ Adapter phosphor bronze sleeve



Zeta Fibre SC Duplex and ST Duplex Patch Cords

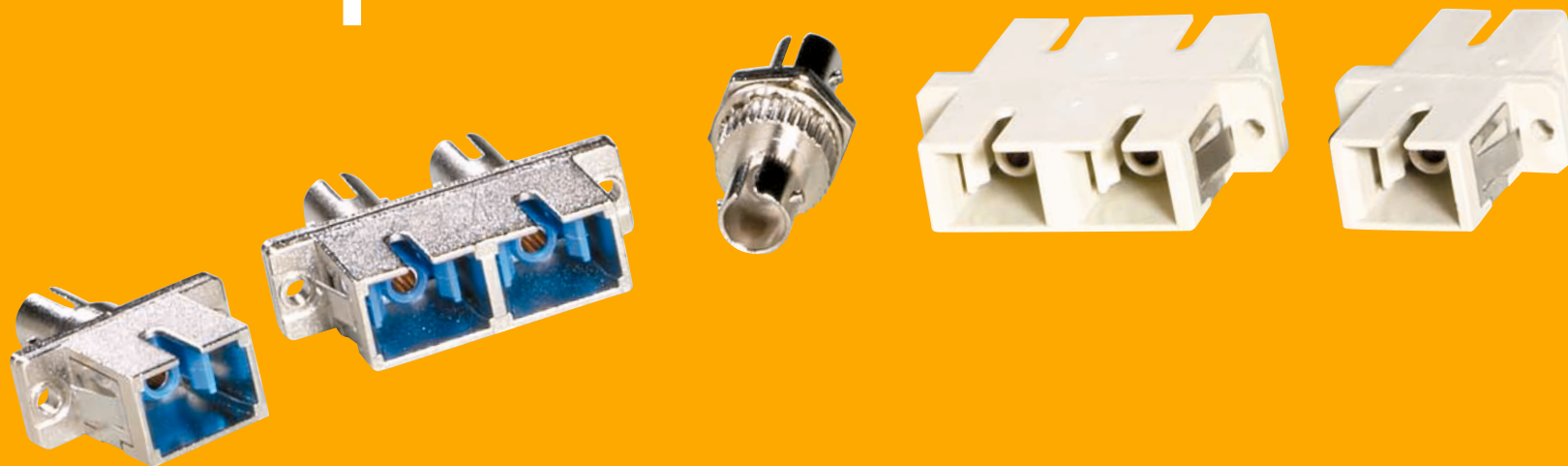
Zeta Fibre SC duplex and ST duplex patch cords have the following features:

- SC and ST connector interfaces
- 1,2,3 and 5 metre lengths
- Zirconia ceramic ferrules
- 2.5mm outside diameter.
- LSOH sheath
- 62.5u fibre has orange sheath
- 50u fibre has green sheath



duplex

adapters

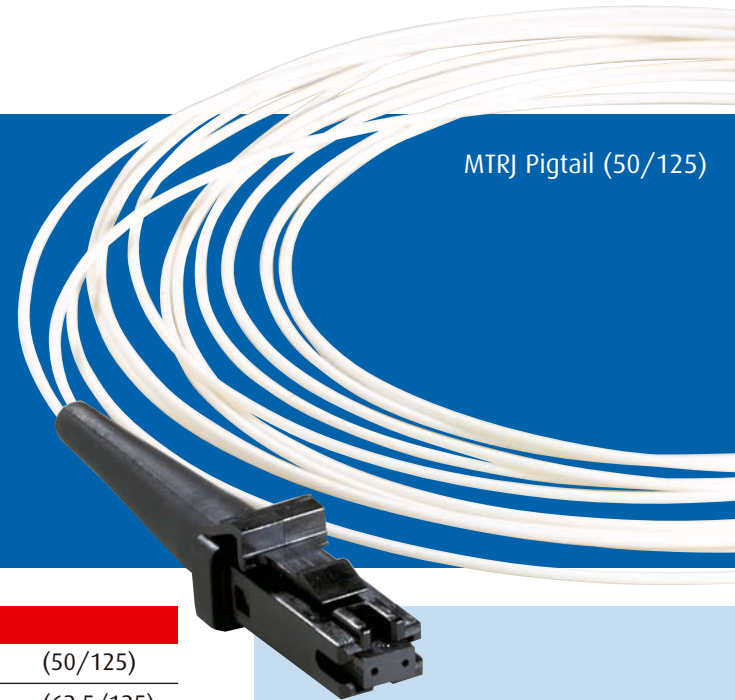


Part Number	Description	
48.PC.STST50D1	1m Duplex ST to ST patch cord	(50/125)
48.PC.STST50D2	2m Duplex ST to ST patch cord	(50/125)
48.PC.STST50D3	3m Duplex ST to ST patch cord	(50/125)
48.PC.STST50D5	5m Duplex ST to ST patch cord	(50/125)
48.PC.STST62D1	1m Duplex ST to ST patch cord	(62.5/125)
48.PC.STST62D2	2m Duplex ST to ST patch cord	(62.5/125)
48.PC.STST62D3	3m Duplex ST to ST patch cord	(62.5/125)
48.PC.STST62D5	5m Duplex ST to ST patch cord	(62.5/125)
48.PC.SCSC50D1	1m Duplex SC to SC patch cord	(50/125)
48.PC.SCSC50D2	2m Duplex SC to SC patch cord	(50/125)
48.PC.SCSC50D3	3m Duplex SC to SC patch cord	(50/125)
48.PC.SCSC50D5	5m Duplex SC to SC patch cord	(50/125)
48.PC.SCSC62D1	1m Duplex SC to SC patch cord	(62.5/125)
48.PC.SCSC62D2	2m Duplex SC to SC patch cord	(62.5/125)
48.PC.SCSC62D3	3m Duplex SC to SC patch cord	(62.5/125)
48.PC.SCSC62D5	5m Duplex SC to SC patch cord	(62.5/125)

Zeta Fibre Pigtails

Zeta Fibre pigtails have the following features:

- SC, ST and MTRJ connector interfaces
- 1.5m length
- Zirconia ceramic ferrules
- 900um LSOH tight buffer
- 62.5u fibre has blue coloured buffer
- 50u fibre has cream coloured buffer



MTRJ Pigtail (50/125)

Part Number	Description	
48.PIG.ST50D15	1.5m ST Pigtail	(50/125)
48.PIG.ST62D15	1.5m ST Pigtail	(62.5/125)
48.PIG.SC50D15	1.5m SC Pigtail	(50/125)
48.PIG.SC62D15	1.5m SC Pigtail	(62.5/125)
48.PIG.MT50D15	1.5m MTRJ Pigtail	(50/125)
48.PIG.MT62D15	1.5m MTRJ Pigtail	(62.5/125)

Zeta Fibre MTRJ Duplex Patch Cords

Zeta Fibre MTRJ duplex patch cords have the following features:

- MTRJ connector interface
- 1,2,3 and 5 metre lengths
- Zirconia ceramic ferrules
- 2.5mm outside diameter
- LSOH sheath
- 62.5u fibre has orange sheath
- 50u fibre has green sheath

Part Number	Description
48.PC.MTRJ50D1	1m Duplex MTRJ to MTRJ patch cord (50/125)
48.PC.MTRJ50D2	2m Duplex MTRJ to MTRJ patch cord (50/125)
48.PC.MTRJ50D3	3m Duplex MTRJ to MTRJ patch cord (50/125)
48.PC.MTRJ50D5	5m Duplex MTRJ to MTRJ patch cord (50/125)
48.PC.MTRJ62D1	1m Duplex MTRJ to MTRJ patch cord (62.5/125)
48.PC.MTRJ62D2	2m Duplex MTRJ to MTRJ patch cord (62.5/125)
48.PC.MTRJ62D3	3m Duplex MTRJ to MTRJ patch cord (62.5/125)
48.PC.MTRJ62D5	5m Duplex MTRJ to MTRJ patch cord (62.5/125)

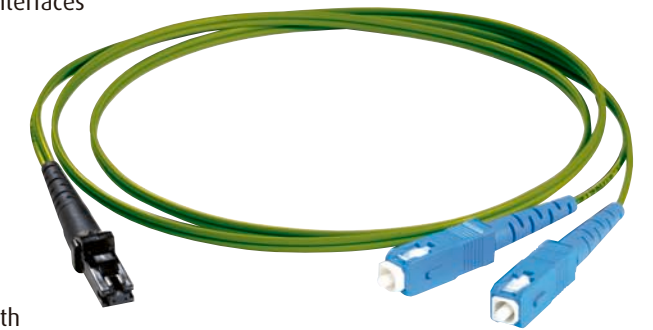


MTRJ to MTRJ Patch Cord (50/125)

Zeta Fibre Hybrid Duplex Patch Cords

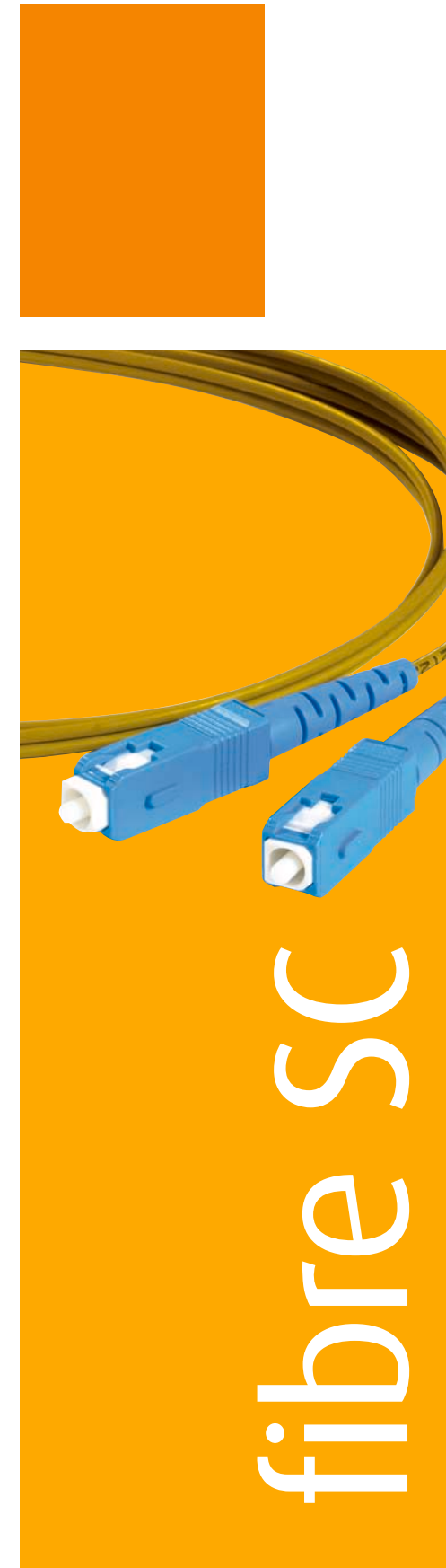
Zeta Fibre SC, ST and MTRJ hybrid duplex patch cords have the following features:

- SC, ST and MTRJ connector interfaces
- 1,2,3 and 5 metre lengths
- Zirconia ceramic ferrules
- 2.5mm outside diameter
- LSOH sheath
- 62.5u fibre has orange sheath
- 50u fibre has green sheath



MTRJ to SC Patch Cord (50/125)

Part Number	Description	
48.PC.MTST50D1	1m Duplex MTRJ to ST patch cord	(50/125)
48.PC.MTST50D2	2m Duplex MTRJ to ST patch cord	(50/125)
48.PC.MTST50D3	3m Duplex MTRJ to ST patch cord	(50/125)
48.PC.MTST50D5	5m Duplex MTRJ to ST patch cord	(50/125)
48.PC.MTST62D1	1m Duplex MTRJ to ST patch cord	(62.5/125)
48.PC.MTST62D2	2m Duplex MTRJ to ST patch cord	(62.5/125)
48.PC.MTST62D3	3m Duplex MTRJ to ST patch cord	(62.5/125)
48.PC.MTST62D5	5m Duplex MTRJ to ST patch cord	(62.5/125)
48.PC.MTSC50D1	1m Duplex MTRJ to SC patch cord	(50/125)
48.PC.MTSC50D2	2m Duplex MTRJ to SC patch cord	(50/125)
48.PC.MTSC50D3	3m Duplex MTRJ to SC patch cord	(50/125)
48.PC.MTSC50D5	5m Duplex MTRJ to SC patch cord	(50/125)
48.PC.MTSC62D1	1m Duplex MTRJ to SC patch cord	(62.5/125)
48.PC.MTSC62D2	2m Duplex MTRJ to SC patch cord	(62.5/125)
48.PC.MTSC62D3	3m Duplex MTRJ to SC patch cord	(62.5/125)
48.PC.MTSC62D5	5m Duplex MTRJ to SC patch cord	(62.5/125)
48.PC.STSC50D1	1m Duplex ST to SC patch cord	(50/125)
48.PC.STSC50D2	2m Duplex ST to SC patch cord	(50/125)
48.PC.STSC50D3	3m Duplex ST to SC patch cord	(50/125)
48.PC.STSC50D5	5m Duplex ST to SC patch cord	(50/125)
48.PC.STSC62D1	1m Duplex ST to SC patch cord	(62.5/125)
48.PC.STSC62D2	2m Duplex ST to SC patch cord	(62.5/125)
48.PC.STSC62D3	3m Duplex ST to SC patch cord	(62.5/125)
48.PC.STSC62D5	5m Duplex ST to SC patch cord	(62.5/125)



Zeta Fibre Cold Cure Connector System

The Zeta Fibre Cold Cure Termination Kit comprises of everything required to terminate and polish both 62.5 and 50 micron fibres with either ST or SC connectors. Utilising a cold cure epoxy and simple hand held polishing equipment, the kit contains the following items of equipment which enable quick and reliable termination of fibre.

- Crimp Tool
- Miller Tool
- Cable Jacket Stripper Large
- Cable Jacket Stripper Small
- Cleaver
- Polishing Puck
- Instructions for Use
- Tool Case
- Sharps Bin
- Side Cutters
- Alcohol Dispenser
- Pocket Microscope
- Polishing Mat

The ST and SC connectors required for termination are supplied in kits of 50 or 250 with the appropriate quantities of materials for termination. Included are strain relief boots for both tight buffered 900u and jacketed 2.5mm cable.

- Isopropyl Alcohol
- 30u Lapping Film
- 0.3u Lapping Film
- SC or ST Connectors
- Wipes
- Adhesive (Primer and Hardener)
- Syringes and Needles

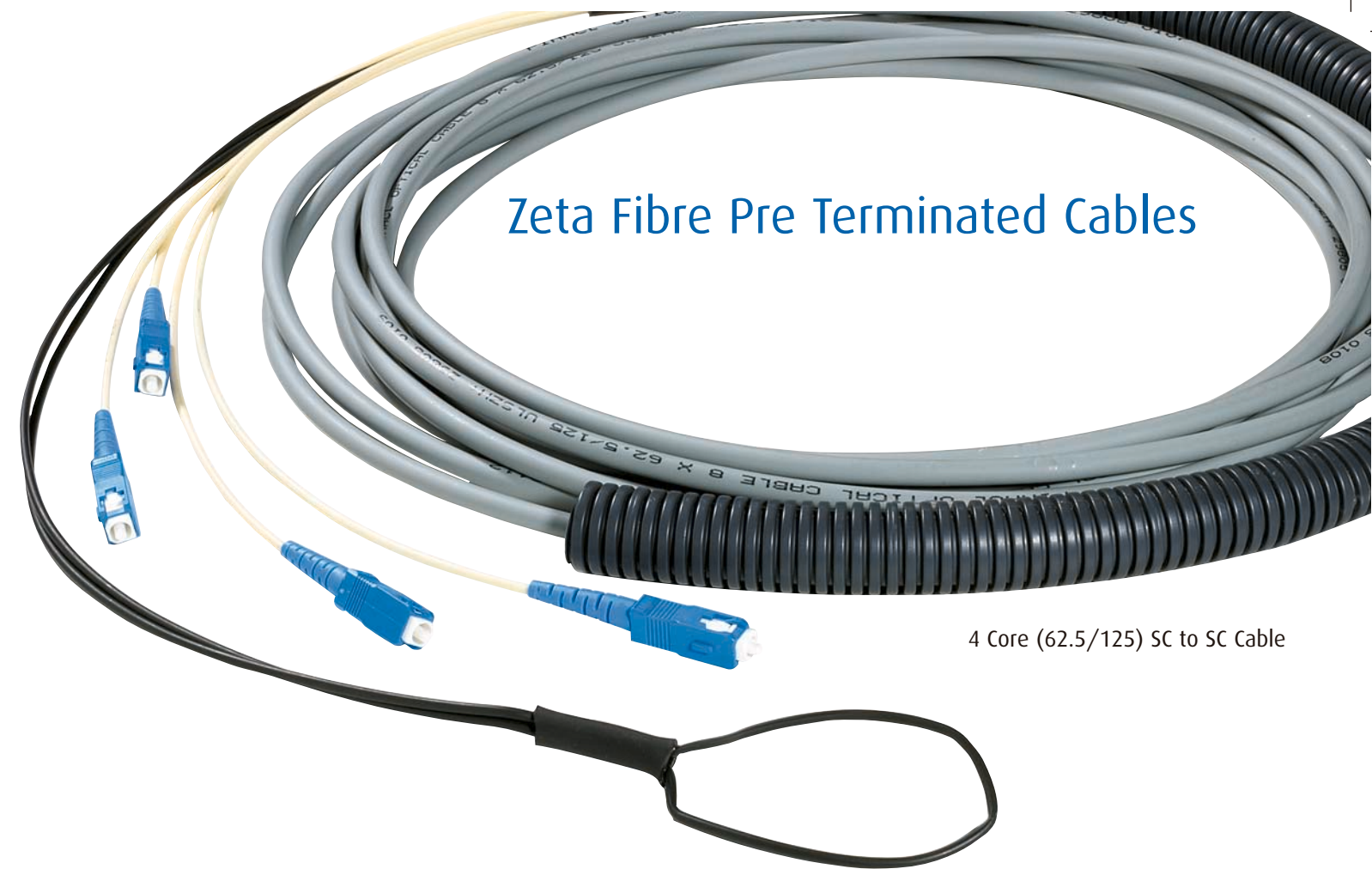
Part Number	Description
48.CC.STSC	ST/SC Cold Cure Termination Kit
48.CC.STR050	ST Cold Cure 50 Connector Replenishment Kit
48.CC.STR250	ST Cold Cure 250 Connector Replenishment Kit
48.CC.SCR050	SC Cold Cure 50 Connector Replenishment Kit
48.CC.SCR250	SC Cold Cure 250 Connector Replenishment Kit



Crimp Tool

cold cure

Zeta Fibre Pre Terminated Cables



4 Core (62.5/125) SC to SC Cable

Zeta Fibre pre terminated cables are available to order with either 4, 8 or 12 cores and are suitable for both internal and external use. Various combinations of connectors can be specified for each end of the cable along with the length of cable in metres. All pre terminated cables are supplied with a pulling ring and discardable over sleeve for protection of connectors during installation and pull through.

Part Number	Description
48.P.04STST.62XXX	4 Core (62.5/125) Internal/External preterminated ST to ST cable
48.P.08STST.62XXX	8 Core (62.5/125) Internal/External preterminated ST to ST cable
48.P.12STST.62XXX	12 Core (62.5/125) Internal/External preterminated ST to ST cable
48.P.04SCSC.62XXX	4 Core (62.5/125) Internal/External preterminated SC to SC cable
48.P.08SCSC.62XXX	8 Core (62.5/125) Internal/External preterminated SC to SC cable
48.P.12SCSC.62XXX	12 Core (62.5/125) Internal/External preterminated SC to SC cable
48.P.04STST.50XXX	4 Core (50/125) Internal/External preterminated ST to ST cable
48.P.08STST.50XXX	8 Core (50/125) Internal/External preterminated ST to ST cable
48.P.12STST.50XXX	12 Core (50/125) Internal/External preterminated ST to ST cable
48.P.04SCSC.50XXX	4 Core (50/125) Internal/External preterminated SC to SC cable
48.P.08SCSC.50XXX	8 Core (50/125) Internal/External preterminated SC to SC cable
48.P.12SCSC.50XXX	12 Core (50/125) Internal/External preterminated SC to SC cable

XXX - Specifies the length of preterminated cable in metres.
Other combinations e.g. MTRJ, ST/SC are available on request.