



Fibre

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Fibre Cable - Multimode and Single Mode

OM4, OM3 and OS2



Loose Tube Fibre Cable



Tight Buffered Fibre Cable



Product Description

HellermannTyton multicore Fibre cables are available for both single mode and multimode applications. They are designed and tested to support LAN and WAN backbones, telecom access lines, fibre to business and fibre to the building drop connections as well as fibre to the home drop and access connections.

The LSOH sheath allows for cables to be used in both internal dry installation and damp environments and is equally suited for installation in ducts and on trays. All cables are designed to be easy to terminate, strong and capable of withstanding the strains of installation.

Our Bulk fibre cables conform to the Construction Products Regulation (CPR) and are available in Cca and Dca Euroclasses.



**For Fibre Cleaning Tools
please see page 85**

Cable - Multimode

Performance	Construction	EuroClass	Fibre Count	ORDER INFO
OM5	Tight Buffered	Cca	12	HT-OM5-12-TB-CCA
		Dca		HT-OM5-12-TB
		Cca	24	HT-OM5-24-TB-CCA
		Dca		HT-OM5-24-TB
OM4	Tight Buffered	Cca	12	HT-OM4-12-TB-CCA
		Dca		HT-OM4-12-TB
		Cca	24	HT-OM4-24-TB-CCA
		Dca		HT-OM4-24-TB
	Loose Tube	Cca	12	HT-OM4-12-LT-CCA
		Dca		HT-OM4-12-LT
		Cca	24	HT-OM4-24-LT-CCA
		Dca		HT-OM4-24-LT
OM3	Tight Buffered	Cca	12	HT-OM3-12-TB-CCA
		Dca		HT-OM3-12-TB
		Cca	24	HT-OM3-24-TB-CCA
		Dca		HT-OM3-24-TB
	Loose Tube	Cca	12	HT-OM3-12-LT-CCA
		Dca		HT-OM3-12-LT
		Cca	24	HT-OM3-24-LT-CCA
		Dca		HT-OM3-24-LT

* Cables are subject to MOQ and leadtimes.

Cable - Single Mode

Performance	Construction	EuroClass	Fibre Count	ORDER INFO
OS2	Tight Buffered	Cca	12	HT-OS2-12-TB-CCA
		Dca		HT-OS2-12-TB
		Cca	24	HT-OS2-24-TB-CCA
		Dca		HT-OS2-24-TB
	Loose Tube	Cca	12	HT-OS2-12-LT-CCA
		Dca		HT-OS2-12-LT
		Cca	24	HT-OS2-24-LT-CCA
		Dca		HT-OS2-24-LT

* Cables are subject to MOQ and leadtimes.

Fibre Patch Leads

LC, SC, ST and FC



LC to LC OM5 Patch Lead



LC to LC OM3 Patch Lead



LC to LC OS2 Patch Lead



SC to SC OM3 Patch Lead



SC to SC OS2 Patch Lead

Product Description

Optical fibre patch leads are a defining factor in ensuring your network performs to the highest level. Available in multimode and single mode our patch leads are designed for use in permanent connections between active equipment and panels or interconnect/crossconnect between panels. All HellermannTyton patch leads are supplied as a cross over configuration for duplex as standard. Straight through configuration patch leads are available on request.

Features and Benefits

- Simplex and duplex options available
- 3.0mm buffered fibre optic cable
- Pre-tested with test results supplied
- Available in standard lengths of 1m, 2m, 3m, 5m and 10m
- Bespoke lengths and labelling are available upon request

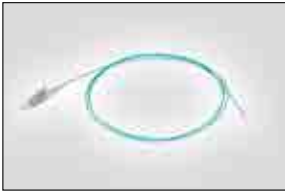
FLCXX M4- LC SC D A- 10.0M

Cable Termination		Cable Performance		Connector End A		Connector End B		Configuration		Colour		Length	
FLCXX	Crossover	M5-	OM5	LC	LC	LC	LC	S	Simplex	LG-	Lime Green (OM5)	XX.XM	Specify
FLSXX	Straight	M4-	OM4	LP	LC/APC	LP	LC/APC	D	Duplex	A-	Aqua (OM3/OM4)		
		M3-	OM3	SC	SC	SC	SC			M-	Magenta (OM4)		
		M2-	OM2	SP	SC/APC	SP	SC/APC			O-	Orange (OM1/OM2)		
		M1-	OM1	ST	ST	ST	ST			Y-	Yellow (Single Mode)		
		S2-	OS2 G652D	FC	FC	FC	FC						
		S7-	G657A1										

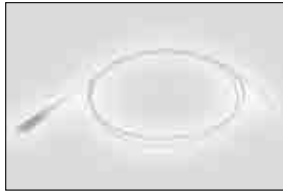
FLCXXM4-LCSCDA-10.0M = LC to SC Aqua OM4 Multimode Duplex Crossover 10 metre Fibre Patch Lead

Fibre Pigtails

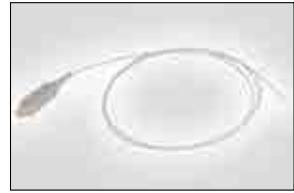
LC, SC, ST and FC



LC OM3 Aqua Pigtail



LC OM3 White Pigtail



SC OS2 White Pigtail

Product Description

Pigtails are available in both single mode and multimode and are supplied in standard lengths of 1m. Other lengths and fibre types can be supplied on request.

Pigtails are designed to be spliced onto existing fibre cables, eliminating the need to polish fibre ends on site.

Features and Benefits

- Available in single mode and multimode
- Manufactured to ISO standards
- Pre-terminated connector saves installation time on site
- Standard length 1m
- 900µm tight buffered fibre optic cable
- Pre-tested with test results supplied

FBTX OS1- LPXX S Y- 01.0M

Cable Termination	Cable Performance	Connector End A	Configuration	Colour	Length
FBTX	OM5- OM5	LCXX LC	S Simplex	W- White (Universal)	01.0M 1 metres
	OM4- OM4	LPXX LC/APC		A- Aqua (OM3/OM4)	01.5M 1.5 metres
	OM3- OM3	SCXX SC		P- Magenta (OM4)	02.0M 2 metres
	OM2- OM2	SPXX SC/APC		O- Orange (OM1/OM2)	
	OM1- OM1	STXX ST		Y- Yellow (OS1)	
	OS2- OS2 G652D	FCXX FC			
	OS1- G657A1				

FBTXOS1-LPXXSY-01.0M = LC/APC Yellow OS1 Single Mode 1 metre Fibre Pigtail

SC Patch Panels

Simplex and Duplex



SC Multimode Simplex Patch Panel



SC Multimode Duplex Patch Panel



SC Single Mode Simplex Patch Panel



SC Single Mode Duplex Patch Panel

Product Description

19" rack mountable sliding patch panels are supplied configured to your desired specification as a standard service by our fully trained panel assembly team. Every panel is supplied with a basic fibre management kit ready for you to splice. Corresponding pigtailed can also be pre-installed upon request. This service is great for utilizing offsite labour saving you time and budget on site.

Features and Benefits

- Factory loaded to your configuration
- Rack snaps included
- Capacity from 4 up to 96 fibres
- Multiple cable entry points
- Fibre Management kit included
- Can be supplied unloaded
- Pigtailed installed upon request

Adaptor Type	Fibre Type	Adaptors	Fibre Count	ORDER INFO
SC Simplex	Multimode	4	4	FBPDBKL-SCMMSX-4VF1
		8	8	FBPDBKL-SCMMSX-8VF1
		12	12	FBPDBKL-SCMMSX-12VF1
		16	16	FBPDBKL-SCMMSX-16VF1
		24	24	FBPDBKL-SCMMSX-24VF1
	Single Mode	4	4	FBPDBKL-SCSMSX-4VF1
		8	8	FBPDBKL-SCSMSX-8VF1
		12	12	FBPDBKL-SCSMSX-12VF1
		16	16	FBPDBKL-SCSMSX-16VF1
		24	24	FBPDBKL-SCSMSX-24VF1
SC Duplex	Multimode	4	8	FBPDBKL-SCMMDX-4VF1
		8	16	FBPDBKL-SCMMDX-8VF1
		12	24	FBPDBKL-SCMMDX-12VF1
		16	32	FBPDBKL-SCMMDX-16VF1
		24	48	FBPDBKL-SCMMDX-24VF1
	Single Mode	4	8	FBPDBKL-SCSMDX-4VF1
		8	16	FBPDBKL-SCSMDX-8VF1
		12	24	FBPDBKL-SCSMDX-12VF1
		16	32	FBPDBKL-SCSMDX-16VF1
		24	48	FBPDBKL-SCSMDX-24VF1

LC Patch Panels

Duplex and Quad



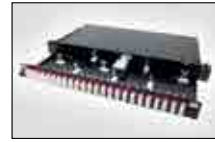
LC Duplex Multimode Patch Panel



LC Duplex Single Mode Patch Panel



LC Quad Multimode Patch Panel



LC Quad Multimode Patch Panel

Product Description

19" rack mountable sliding patch panels are supplied configured to your desired specification as a standard service by our fully trained panel assembly team. Every panel is supplied with a basic fibre management kit ready for you to splice. Corresponding pigtailed cables can also be pre-installed upon request. This service is great for utilizing offsite labour saving you time and budget on site.

Features and Benefits

- Factory loaded to your configuration
- Rack snaps included
- Capacity from 4 up to 96 fibres
- Multiple cable entry points
- Fibre Management kit included
- Can be supplied unloaded
- Pigtailed installed upon request

Adaptor Type	Fibre Type	Adaptors	Fibre Count	ORDER INFO
LC Duplex	Multimode	4	8	FBPDBKL-LCMMDX-4VF1
		8	16	FBPDBKL-LCMMDX-8VF1
		12	24	FBPDBKL-LCMMDX-12VF1
		16	32	FBPDBKL-LCMMDX-16VF1
		24	48	FBPDBKL-LCMMDX-24VF1
	Single Mode	4	8	FBPDBKL-LCSMDX-4VF1
		8	16	FBPDBKL-LCSMDX-8VF1
		12	24	FBPDBKL-LCSMDX-12VF1
		16	32	FBPDBKL-LCSMDX-16VF1
		24	48	FBPDBKL-LCSMDX-24VF1
LC Quad	Multimode	4	16	FBPDBKL-LCMMQD-4VF1
		8	32	FBPDBKL-LCMMQD-8VF1
		12	48	FBPDBKL-LCMMQD-12VF1
		16	64	FBPDBKL-LCMMQD-16VF1
		24	96	FBPDBKL-LCMMQD-24VF1
	Single Mode	4	16	FBPDBKL-LCSMQD-4VF1
		8	32	FBPDBKL-LCSMQD-8VF1
		12	48	FBPDBKL-LCSMQD-12VF1
		16	64	FBPDBKL-LCSMQD-16VF1
		24	96	FBPDBKL-LCSMQD-24VF1

Connectors and Adaptors

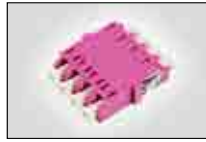
LC and LC APC



LC MM Duplex Adaptor



LC MM Quad Adaptor



LC MM Quad Adaptor



LC MM Quad Adaptor



LC MM Simplex Connector



LC MM Duplex Connector



LC SM Simplex Connector



LC SM Duplex Connector

Adaptor	Performance	Colour	Configuration	ORDER INFO
LC	Multimode	Beige	Duplex	FBAMMBG-LCLCDX-FL001
			Quad	FBAMMBG-LLCLQD-XX001
		Aqua	Duplex	FBAMMAQ-LCLCDX-FL001
			Quad	FBAMMAQ-LLCLQD-XX001
		Lime Green	Duplex	FBAMMLG-LCLCDX-FL001
			Quad	FBAMMLG-LLCLQD-XX001
Single Mode	Blue	Duplex	FBASMBL-LCLCDX-FL001	
		Quad	FBASMBL-LLCLQD-XX001	
LC/APC	Single Mode	Green	Duplex	FBAAPGN-LCLCDX-FL001
			Quad	FBAAPGN-LLCLQD-FL001T

Connector	Performance	Colour	Configuration	Boot	ORDER INFO
LC	Multimode	Beige	Simplex	900um White	FBCMMBG-LCXXSX-0.9WH
				3mm White	FBCMMBG-LCXXSX-3.0WH
		Duplex	900um White	FBCMMBG-LCXXDX-0.9WH	
			3mm White	FBCMMBG-LCXXDX-3.0WH	
	Single Mode	Blue	Simplex	900um White	FBCSMBL-LCXXSX-0.9WH
				3mm White	FBCSMBL-LCXXSX-3.0WH
Duplex		900um White	FBCSMBL-LCXXDX-0.9WH		
		3mm White	FBCSMBL-LCXXDX-3.0WH		
LC/APC	Single Mode	Green	Simplex	900um White	FBCAPGN-LCXXSX-0.9WH
				3mm White	FBCAPGN-LCXXSX-3.0WH

Connectors and Adaptors

SC and SC APC



SC MM Simplex Adaptor



SC MM Duplex Adaptor



SC SM Simplex Adaptor



SC SM Duplex Adaptor



SC MM Simplex Connector



SC MM Duplex Connector



SC SM Simplex Connector



SC SM Duplex Connector

Adaptor	Performance	Colour	Configuration	ORDER INFO
SC	Multimode	Beige	Simplex	FBAMMBG-SCSCSX-FL001
			Duplex	FBAMMBG-SCSCDX-XX001
		Aqua	Simplex	FBAMMAQ-SCSCSX-FL001
			Duplex	FBAMMAQ-SCSCDX-XX001
SC/APC	Single Mode	Blue	Simplex	FBASMBL-SCSCSX-FL001
			Duplex	FBASMBL-SCSCDX-XX001
SC/APC	Single Mode	Green	Simplex	FBAAPGN-SCSCSX-FL001
			Duplex	FBAAPGN-SCSCDX-FL001T

Connector	Performance	Colour	Configuration	Boot	ORDER INFO
SC	Multimode	Beige	Simplex	900um White	FBCMMBG-SCXXSX-0.9WH
				3mm White	FBCMMBG-SCXXSX-3.0WH
			Duplex	900um White	FBCMMBG-SCXXDX-0.9WH
				3mm White	FBCMMBG-SCXXDX-3.0WH
	Single Mode	Blue	Simplex	900um White	FBCSMBL-SCXXSX-0.9WH
				3mm White	FBCSMBL-SCXXSX-3.0WH
Duplex			900um White	FBCSMBL-SCXXDX-0.9WH	
			3mm White	FBCSMBL-SCXXDX-3.0WH	
SC/APC	Single Mode	Green	Simplex	900um White	FBCAPGN-SCXXSX-0.9WH
				3mm White	FBCAPGN-SCXXSX-3.0WH
			Duplex	900um White	FBCAPGN-SCXXDX-0.9WH
				3mm White	FBCAPGN-SCXXDX-3.0WH



Fibre to the Building

Internal Fibre Management Solutions



Fibre Distribution Enclosure (FDEC)



Customer Connection Point (CCP)



Customer Connection Enclosure (CCE)



Customer Premise Unit (CPU)



MDU-S1-01LC08P



MDU-S3-BWX



MDU-S5-LLWX

Product Description

HellermannTyton manufacture a wide range of enclosures and wall boxes for internal fibre distribution in both commercial and residential environments.

The MDU series offers a number of options depending on the size of the building, the number of offices, departments or businesses that require fibre connection. The S5 and the S3, the large and mid-sized enclosures in the series, are available in both splice and connectorised versions whereas the S1 provides 8 connectorised fibre ports.

The CCE and CCP deliver fibre from outside to inside the building. The CCP offers excellent IP68 seal properties and

can be positioned in an underground chamber whereas the CCE is a lockable enclosure with up to 50m of fibre storage.

HellermannTyton also supply a number of other fibre distribution solutions that can be either wall mounted or sub-floor mounted in both connectorised and spliced options, giving flexibility and choice in the infrastructure design.

For the full range of Fibre to the X products and solutions, please visit www.htdata.co.uk

Enclosure Type	No. Splices	Adaptors	Adaptor Type	IP Rating	ORDER INFO
Customer Connection Enclosure (CCE)	4	1	LC PC Duplex	IP54	CCE-A11121L11/BK
					CCE-A11121L11/GY
Customer Connection Point (CCP)	2	1	LC PC Duplex	IP68	CCPA-M1111LX/BK-0
				IP54	CCPA-X1111LX/BK-0
Customer Premise Unit	24	-		IP56	CPU-3867
Fibre Distribution Enclosure (FDEC)	18	9	SC PC Duplex	-	FDEC-9SX/WH
			SC APC Duplex		FDEC-9VX/WH
MDU - S1	24	8	LC PC Simplex	IP55	MDU-S1-01LC08P
					MDU-S1-02LC08P
MDU - S3	48	-	LC PC Duplex	IP54	MDU-S3-BWX
		12			MDU-S3-BWXX-CP12L
MDU - S5	216	-	LC PC Quad	IP54	MDU-S5-LLWX
		24			MDU-S5-BXWXC24M

Made to Connect

Connecting businesses and residents in cities, towns and rural locations on a global scale.

HellermannTyton provides a comprehensive range of FTTX solutions, delivering flexible fibre connectivity across every stage of the last mile network.

www.htdata.co.uk

MADE FOR REAL 





Pre-Terminated Assemblies

The RapidNet system offers many advantages over a standard site-terminated solution. It can reduce installation times by up to 95% and because it's pre-tested, minimal on-site testing is required once installed. The pre-terminated solution delivers high performance across all fibre cabling types including OM5, OM4, OM3 and OS2.

High port densities can be achieved using RapidNet fibre, with MTP connectors providing up to 144 fibres per cassette or up to 576 fibres in 1U of rack space.

8F

8 Fibre
Page) \$

The 8 fibre range is an MTP based system that has been designed to work directly with QSFP+ transceivers allowing full utilisations of backbone fibres. RapidNet 8 Fibre is the ideal choice for future proofing your datacentre and migrating from 10G to 40G/100G and beyond.

12F

12 Fibre
Page 5-

The RapidNet 12 fibre solution has been designed to support a wide range of applications including data centres, campus connectivity and disaster recovery sites providing reduced installation times, efficient use of space and high performance. This solution can provide a fibre capacity up to 48 fibres per 1U.

24F

24 Fibre
Page 6'

The RapidNet 24 fibre solution has been designed to support a wide range of applications including data centres, campus connectivity and disaster recovery sites providing reduced installation times, efficient use of space and high performance. This solution can provide a fibre capacity up to 96 fibres per 1U.

72F

72 Fibre
Page 6+

The RapidNet MTP 72F and 144F High Density solution has been designed to meet the demands of the data centre by providing reduced installation times, efficient use of space, flexible configurations and high performance. This high density fibre solution is particularly suited to use in Storage Area Network (SAN) applications. This solution can provide a fibre capacity up to 576 fibres per 1U.

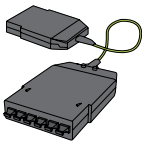
144F

144 Fibre
Page 6,



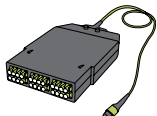
Connection options

The HellermannTyton pre-terminated fibre range is offered in various configurations and options to suit typical deployment requirements of flexibility, performance and optical loss management.



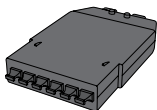
Cassette to Cassette

The cassette to cassette offers localised patching fields at both ends of the link. This configuration is beneficial when there isn't the immediate requirement to utilise all the ports.



Tethered Cassettes

With the cassette providing local patching at one end, the fan out can be connected directly into the active equipment, reducing losses and saving cabinet space.



Transition Cassettes

Transition cassettes are used to convert from multi-fibre to single fibre (MTP to LC) or different fibre count MTP to MTP. In either case they use a standard cassette with a rear MTP connection, ideal for use in either re-configuring existing installed cables or when access and cable management may be limited.



Transition Cable Assemblies

The fan out option removes localised patching at both ends, saving space in the cabinets and reducing optical losses in the link. These cables are offered in various configurations and are particularly suited to applications where the active equipment or hardware at each end is located either in the same cabinet or row.



Fan Out Cable Assemblies

There is a wide range of fan out cable assemblies available, all suitable for the above connection methods and are supplied in various configurations and lengths to suit the optical polarity of the channel.

8 Fibre

MTP Cassette to Cassette Assemblies



6 x 8 Core MTP Cassette to Cassette



6 x 8 Core MTP Cassette to Cassette



6 x 8 Core MTP Cassette to Cassette

OM 5

OM 4

OS 2

Cable Type	Fibre Count	Drawing	End A	End B	Polarity	ORDER INFO
OM5	48		6 x 8 Core MTP Cassette	6 x 8 Core MTP Cassette	A	RNFW648-MCMCM5-10.0M
					B	RNFT648-MCMCM5-10.0M
OM4					A	RNFW648-MCMCM4-10.0M
					B	RNFT648-MCMCM4-10.0M
OS2					A	RNFW648-MCMCS2-10.0M
					B	RNFT648-MCMCS2-10.0M
OM5	96		12 x 8 Core MTP Cassette	12 x 8 Core MTP Cassette	A	RNFWV96-MCMCM5-10.0M
					B	RNFTV96-MCMCM5-10.0M
OM4					A	RNFWV96-MCMCM4-10.0M
					B	RNFTV96-MCMCM4-10.0M
OS2					A	RNFWV96-MCMCS2-10.0M
					B	RNFTV96-MCMCS2-10.0M
OM5	144		6 x 24 Core MTP Cassette	6 x 24 Core MTP Cassette	A	RNFW6H4-MCMCM5-10.0M
					B	RNFT6H4-MCMCM5-10.0M
OM4					A	RNFW6H4-MCMCM4-10.0M
					B	RNFT6H4-MCMCM4-10.0M
OS2					A	RNFW6H4-MCMCS2-10.0M
					B	RNFT6H4-MCMCS2-10.0M

8 Fibre

LC Tethered Cassette Assemblies



8 x LC Cassette to 8 Core MTP Tail



16 x LC Cassette to 8 Core MTP Tail



24 x LC Cassette to 8 Core MTP Tail

OM 5 **OM 4** **OS 2**

Cable Type	Fibre Count	Drawing	End A	End B	ORDER INFO
OM5	8 Fibre		LC Cassette	1 x MTP Tail	RNFMQ08-LC1FM5-10.0M
	16 Fibre				RNFMQ16-LC1FM5-10.0M
	24 Fibre				RNFMQ24-LC1FM5-10.0M
OM4	8 Fibre				RNFMQ08-LC1FM4-10.0M
	16 Fibre				RNFMQ16-LC1FM4-10.0M
	24 Fibre				RNFMQ24-LC1FM4-10.0M
OS2	8 Fibre				RNFMQ08-LC1FS2-10.0M
	16 Fibre				RNFMQ16-LC1FS2-10.0M
	24 Fibre				RNFMQ24-LC1FS2-10.0M

8 Fibre

LC Transition Cassettes



2 x LC Quad to 1 x 8 Core MTP



4 x LC Quad to 2 x 8 Core MTP



6 x LC Quad to 3 x 8 Core MTP

OM 5 **OM 4** **OS 2**

Cable Type	Fibre Count	Drawing	Front Connectivity	Rear Connectivity	ORDER INFO
OM5	8		2 x LC Quad	1 x 8 Core Male MTP	RNFTQ08-LCMMM5-XX.XX
OM4					RNFTQ08-LCMMM4-XX.XX
OS2					RNFTQ08-LCMMS2-XX.XX
OM5	16		4 x LC Quad	2 x 8 Core Male MTP	RNFTQ16-LCMMM5-XX.XX
OM4					RNFTQ16-LCMMM4-XX.XX
OS2					RNFTQ16-LCMMS2-XX.XX
OM5	24		6 x LC Quad	3 x 8 Core Male MTP	RNFTQ24-LC3MM5-XX.XX
OM4					RNFTQ24-LC3MM4-XX.XX
OS2					RNFTQ24-LC3MS2-XX.XX
OM5			1 x 24 Core Male MTP	RNFTQ24-LC1MM5-XX.XX	
OM4				RNFTQ24-LC1MM4-XX.XX	
OS2				RNFTQ24-LC1MS2-XX.XX	

8 Fibre

MTP Transition Cassettes



3 x 8 Core MTP to 1 x 24 Core MTP



3 x 8 Core MTP to 2 x 12 Core MTP



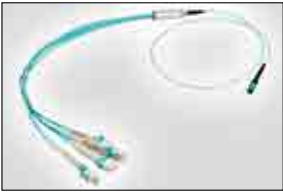
2 x 8 Core MTP to 2 x 24 Core MTP



Cable Type	Fibre Count	Drawing	Front Connectivity	Rear Connectivity	ORDER INFO
OM5	24		3 x 8 Core MTP	1 x 24 Core MTP	RNFT324-MC1MM5-XX.XX
OM4					RNFT324-MC1MM4-XX.XX
OS2					RNFT324-MC1MS2-XX.XX
OM5	24		3 x 8 Core MTP	2 x 12 Core MTP	RNFT324-MCMMM5-XX.XX
OM4					RNFT324-MCMMM4-XX.XX
OS2					RNFT324-MCMMMS2-XX.XX
OM5	48		6 x 8 Core MTP	2 x 24 Core MTP	RNFT648-MCMMM5-XX.XX
OM4					RNFT648-MCMMM4-XX.XX
OS2					RNFT648-MCMMMS2-XX.XX

8 Fibre

LC Transition Cable Assemblies



1 x 8 Core MTP to 4 x LC Duplex



1 x 8 Core MTP to 12 x LC Duplex



3 x 8 Core MTP to 12 x LC Duplex

OM 5

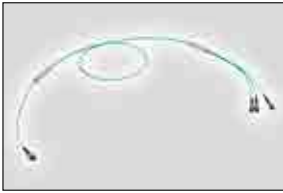
OM 4

OS 2

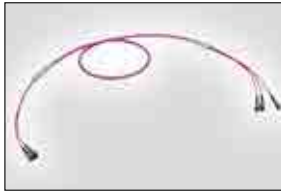
Cable Type	Fibre Count	Drawing	End A	End B	Polarity	ORDER INFO
OM5	8		1 x 8 Core MTP	4 x LC Duplex	A	FLS08M5-MFLFXG-10.0M
					B	FLC08M5-MFLFXG-10.0M
OM4					A	FLS08M4-MFLFXM-10.0M
					B	FLC08M4-MFLFXM-10.0M
OS2					A	FLS08S2-MFLFX-10.0M
					B	FLC08S2-MFLFX-10.0M
OM5	24		1 x 24 Core MTP	12 x LC Duplex	A	FLS24M5-MFLFXG-10.0M
					B	FLC24M5-MFLFXG-10.0M
OM4					A	FLS24M4-MFLFXM-10.0M
					B	FLC24M4-MFLFXM-10.0M
OS2					A	FLS24S2-MFLFX-10.0M
					B	FLC24S2-MFLFX-10.0M
OM5			3 x 8 Core MTP	12 x LC Duplex	A	FLS24M5-MFLF3G-10.0M
					B	FLC24M5-MFLF3G-10.0M
OM4					A	FLS24M4-MFLF3M-10.0M
					B	FLC24M4-MFLF3M-10.0M
OS2					A	FLS24S2-MFLF3Y-10.0M
					B	FLC24S2-MFLF3Y-10.0M

8 Fibre

MTP Transition Cable Assemblies



3 x 8 Core MTP to 1 x 24 Core MTP



3 x 8 Core MTP to 2 x 12 Core MTP



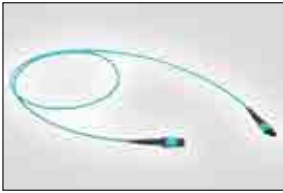
4 x 8 Core MTP to 2 x 24 Core MTP



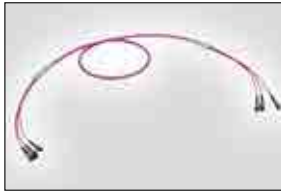
Cable Type	Fibre Count	Drawing	End A	End B	Polarity	ORDER INFO
OM5	24		3 x 8 Core MTP	1 x 24 Core MTP	A	FLS24M5-MFMF31G-10.0M
					B	FLW24M5-MFMF31M-10.0M
OM4					A	FLS24M4-MFMF31M-10.0M
					B	FLW24M4-MFMF31M-10.0M
OS2					A	FLS24S2-MFMF31Y-10.0M
					B	FLW24S2-MFMF31Y-10.0M
OM5	24		3 x 8 Core MTP	2 x 12 Core MTP	A	FLS24M5-MFMF32G-10.0M
					B	FLW24M5-MFMF32M-10.0M
OM4					A	FLS24M4-MFMF32M-10.0M
					B	FLW24M4-MFMF32M-10.0M
OS2					A	FLS24S2-MFMF32Y-10.0M
					B	FLW24S2-MFMF32Y-10.0M
OM5	96		4 x 8 Core MTP	12 x 8 Core MTP	A	FLS96M5-MFMF412G-10.0M
					B	FLW96M5-MFMF412M-10.0M
OM4					A	FLS96M4-MFMF412M-10.0M
					B	FLW96M4-MFMF412M-10.0M
OS2					A	FLS96S2-MFMF412Y-10.0M
					B	FLW96S2-MFMF412Y-10.0M

8 Fibre

MTP Fan Out and Backbone Cable Assemblies



1 x 8 Core MTP to 1 x 8 Core MTP



3 x 8 Core MTP to 3 x 8 Core MTP



12 x 8 Core MTP to 12 x 8 Core MTP

OM 5

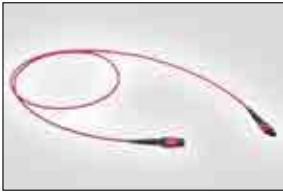
OM 4

OS 2

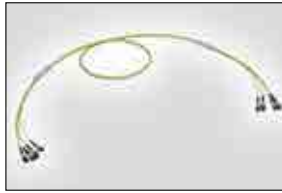
Cable Type	Fibre Count	Drawing	End A	End B	Polarity	ORDER INFO
OM5	8		1 x 8 Core MTP	1 x 8 Core MTP	A	FLS08M5-MFMFXG-10.0M
					B	FLW08M5-MFMFXG-10.0M
OM4					A	FLS08M4-MFMFXM-10.0M
					B	FLW08M4-MFMFXM-10.0M
OS2					A	FLS08S2-MFMFXY-10.0M
					B	FLW08S2-MFMFXY-10.0M
OM5	24		3 x 8 Core MTP	3 x 8 Core MTP	A	FLS024M5-MFMFXG-10.0M
					B	FLW024M5-MFMFXG-10.0M
OM4					A	FLS024M4-MFMFXM-10.0M
					B	FLW024M4-MFMFXM-10.0M
OS2					A	FLS024S2-MFMFXY-10.0M
					B	FLW024S2-MFMFXY-10.0M
OM5	48		6 x 8 Core MTP	6 x 8 Core MTP	A	FLS48M5-MFMFXG-10.0M
					B	FLW48M5-MFMFXG-10.0M
OM4					A	FLS48M4-MFMFXM-10.0M
					B	FLW48M4-MFMFXM-10.0M
OS2					A	FLS48S2-MFMFXY-10.0M
					B	FLW48S2-MFMFXY-10.0M
OM5	96		12 x 8 Core MTP	12 x 8 Core MTP	A	FLS96M5-MFMF12G-10.0M
					B	FLW96M5-MFMF12G-10.0M
OM4					A	FLS96M4-MFMF12M-10.0M
					B	FLW96M4-MFMF12M-10.0M
OS2					A	FLS96S2-MFMF12Y-10.0M
					B	FLW96S2-MFMF12Y-10.0M

8 Fibre

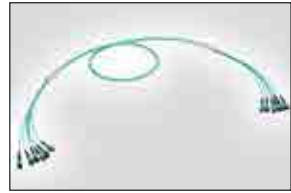
MTP Fan Out and Backbone Cable Assemblies



1 x 24 Core MTP to 1 x 24 Core MTP



4 x 24 Core MTP to 4 x 24 Core MTP



6 x 24 Core MTP to 6 x 24 Core MTP

Cable Type	Fibre Count	Drawing	End A	End B	Polarity	ORDER INFO
OM5	24		1 x 24 Core MTP	1 x 24 Core MTP	A	FLS24M5-MFMFXG-10.0M
					B	FLW24M5-MFMFXG-10.0M
OM4					A	FLS24M4-MFMFXM-10.0M
					B	FLW24M4-MFMFXM-10.0M
OS2					A	FLS24S2-MFMFXY-10.0M
					B	FLW24S2-MFMFXY-10.0M
OM5	48		2 x 24 Core MTP	2 x 24 Core MTP	A	FLS48M5-MFMF2G-10.0M
					B	FLW48M5-MFMF2G-10.0M
OM4					A	FLS48M4-MFMF2M-10.0M
					B	FLW48M4-MFMF2M-10.0M
OS2					A	FLS48S2-MFMF2Y-10.0M
					B	FLW48S2-MFMF2Y-10.0M
OM5	96		4 x 24 Core MTP	4 x 24 Core MTP	A	FLS96M5-MFMF4G-10.0M
					B	FLW96M5-MFMF4G-10.0M
OM4					A	FLS96M4-MFMF4M-10.0M
					B	FLW96M4-MFMF4M-10.0M
OS2					A	FLS96S2-MFMF4Y-10.0M
					B	FLW96S2-MFMF4Y-10.0M
OM5	144		6 x 24 Core MTP	6 x 24 Core MTP	A	FLSH4M5-MFMF6G-10.0M
					B	FLWH4M5-MFMF6G-10.0M
OM4					A	FLSH4M4-MFMF6M-10.0M
					B	FLWH4M4-MFMF6M-10.0M
OS2					A	FLSH4S2-MFMF6Y-10.0M
					B	FLWH4S2-MFMF6Y-10.0M

8 Fibre

Adaptor Mounting Modules



12 Port MTP Adaptor Mounting Module



6 Port MTP Adaptor Mounting Module



8 Port LC Quad Adaptor Mounting Module

Ports	Adaptor	Polarity	Colour	ORDER INFO
6 Ports	MTP	A	Black	RNAF06MTPBK
		B	Grey	RNAF06MTBGY
12 Ports		A	Black	RNAF12MTPBK
		B	Grey	RNAF12MTBGY
8 Ports	LC Quad		Lime Green	RNAFQ02-LCLG
			Magenta	RNAFQ02-LCMG
			Beige	RNAFQ02-LCBG
			Blue	RNAFQ02-LCBL
16 Ports			Lime Green	RNAFQ04-LCLG
			Magenta	RNAFQ04-LCMG
			Beige	RNAFQ04-LCBG
			Blue	RNAFQ04-LCBL
24 Ports			Lime Green	RNAFQ06-LCLG
			Magenta	RNAFQ06-LCMG
			Beige	RNAFQ06-LCBG
			Blue	RNAFQ06-LCBL

12 Fibre

LC and SC Cassette Assemblies



12 Fibre OM3 LC Cassette to LC Fan Out



12 Fibre LC Adaptor Mounting Module



12 Fibre LC Transition Cassette with 1 MTP Connector in the rear



Cassette Assemblies

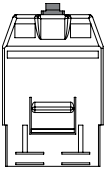
Cable Type	Fibre Count	End A	End B	ORDER INFO
OM5	12 Core	LC Cassette	LC Cassette	RNFTD12-LCLCM5-10.0M
			LC Fan Out	RNFTD12-LCLFM5-10.0M
			SC Fan Out	RNFTD12-LCSFM5-10.0M
		SC Cassette	SC Cassette	RNFTD12-SCSCM5-10.0M
			SC Fan Out	RNFTD12-SCSFM5-10.0M
			OM4	LC Cassette
LC Fan Out		RNFTD12-LCLFM4-10.0M		
SC Fan Out		RNFTD12-LCSFM4-10.0M		
SC Cassette		SC Cassette		RNFTD12-SCSCM4-10.0M
		SC Fan Out		RNFTD12-SCSFM4-10.0M
		OM3		LC Cassette
LC Fan Out			RNFTD12-LCLFM3-10.0M	
SC Fan Out	RNFTD12-LCSFM3-10.0M			
SC Cassette	SC Cassette		RNFTD12-SCSCM3-10.0M	
	SC Fan Out		RNFTD12-SCSFM3-10.0M	
	OS2		LC Cassette	LC Cassette
LC Fan Out		RNFTD12-LCLFS2-10.0M		
SC Fan Out		RNFTD12-LCSFS2-10.0M		
SC Cassette		SC Cassette	RNFTD12-SCSCS2-10.0M	
		SC Fan Out	RNFTD12-SCSFS2-10.0M	

Adaptor Mounting Modules

Performance	Fibre Count	Adaptor	Colour	ORDER INFO
Multimode	12 Core	LC	Beige	RNAFD06-LCDBG
			Aqua	RNAFD06-LCDAQ
			Lime Green	RNAFD06-LCDLG
		SC	Beige	RNAFD06-SCDBG
			Aqua	RNAFD06-SCDAQ
			Lime Green	RNAFD06-SCDLG
Single Mode	12 Core	LC	Blue	RNAFD06-LCDBL
		SC		RNAFD06-SCDBL
		LC/APC	Green	RNAFD06-LCDGN
		SC/APC		RNAFD06-SCDGN



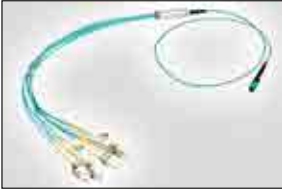
Transition Cassettes

Cable Type	Fibre Count	Drawing	Front Connectivity	Rear MTP	ORDER INFO
OM5	12 Core		LC	1 x 12 Core MTP Male*	RNFMD12-LCMMM5-XX.XX
OM4			SC		RNFMD12-SCMMM5-XX.XX
			LC		RNFMD12-LCMMM4-XX.XX
OM3			SC		RNFMD12-SCMMM4-XX.XX
			LC		RNFMD12-LCMMM3-XX.XX
OS2			SC		RNFMD12-SCMMM3-XX.XX
			LC		RNFMD12-LCMMM2-XX.XX
			LC/APC		RNFMD12-LPMMS2-XX.XX
			SC		RNFMD12-SCMMS2-XX.XX
			SC/APC		RNFMD12-SPMMS2-XX.XX

* Female rear MTP available on request

12 Fibre

MTP Fan Out and Backbone Cable Assemblies



1 x 12 Core MTP to 6 x LC Duplex



1 x 12 Core MTP to 1 x 12 Core MTP



MTP to LC

Cable Type	Fibre Count	Drawing	End A	End B	Polarity	ORDER INFO
OM5	12 Core		1 x 12 Core MTP	6 x LC Duplex	Straight	FLS12M5-MFLFDG-10.0M
					Crossover	FLC12M5-MFLFDG-10.0M
OM4					Straight	FLS12M4-MFLFDM-10.0M
					Crossover	FLC12M4-MFLFDM-10.0M
OM3					Straight	FLS12M3-MFLFDA-10.0M
					Crossover	FLC12M3-MFLFDA-10.0M
OS2					Straight	FLS12S2-MFLFDY-10.0M
					Crossover	FLC12S2-MFLFDY-10.0M

MTP to MTP

Cable Type	Fibre Count	Drawing	End A	End B	Polarity	ORDER INFO
OM5	12 Core		1 x 12 Core MTP	1 x 12 Core MTP	A	FLS12M5-MFMFXG-10.0M
					B	FLW12M5-MFMFXG-10.0M
OM4					A	FLS12M4-MFMFXM-10.0M
					B	FLW12M4-MFMFXM-10.0M
OM3					A	FLS12M3-MFMFXA-10.0M
					B	FLW12M3-MFMFXA-10.0M
OS2					A	FLS12S2-MFMFXY-10.0M
					B	FLW12S2-MFMFXY-10.0M

12 Fibre

SC and LC Fan Out Cable Assemblies



6 x 12 Core LC to 6 x 12 Core LC



6 x 12 Core LC to 6 x 12 Core LC



LC to LC

Cable Type	Fibre Count	Drawing	End A	End B	ORDER INFO
OM5	12 Core		6 x LC Duplex	6 x LC Duplex	RNFTD12-LFLFM5-10.0M
OM4					RNFTD12-LFLFM4-10.0M
OM3					RNFTD12-LFLFM3-10.0M
OS2					RNFTD12-LFLF52-10.0M

SC to SC

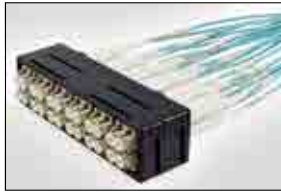
Cable Type	Fibre Count	Drawing	End A	End B	ORDER INFO
OM5	12 Core		6 x SC Duplex	6 x SC Duplex	RNFTD12-SFSFM5-10.0M
OM4					RNFTD12-SFSFM4-10.0M
OM3					RNFTD12-SFSFM3-10.0M
OS2					RNFTD12-SFSFS2-10.0M

24 Fibre

LC and SC Cassette Assemblies



24 Fibre OM3 LC Cassette to LC Fan Out



24 Fibre LC Adaptor Mounting Module



24 Fibre LC Transition Cassette with 2 MTP Connectors in the rear



Cassette Assemblies

Cable Type	Fibre Count	End A	End B	ORDER INFO
OM5	24 Core	LC Cassette	LC Cassette	RNFTD24-LCLCM5-10.0M
			LC Fan Out	RNFTD24-LCLFM5-10.0M
			SC Fan Out	RNFTD24-LCSFM5-10.0M
OM4			LC Cassette	RNFTD24-LCLCM4-10.0M
			LC Fan Out	RNFTD24-LCLFM4-10.0M
			SC Fan Out	RNFTD24-LCSFM4-10.0M
OM3			LC Cassette	RNFTD24-LCLCM3-10.0M
			LC Fan Out	RNFTD24-LCLFM3-10.0M
			SC Fan Out	RNFTD24-LCSFM3-10.0M
OS2			LC Cassette	RNFTD24-LCLCS2-10.0M
			LC Fan Out	RNFTD24-LCLFS2-10.0M
			SC Fan Out	RNFTD24-LCSFS2-10.0M

Adaptor Mounting Modules

Performance	Fibre Count	Adaptor	Colour	ORDER INFO
Multimode	24 Core	LC	Beige	RNAFD12-LCDBG
			Aqua	RNAFD12-LCDAQ
			Magenta	RNAFD12-LCMG
			Lime Green	RNAFD12-LCDLG
			Blue	RNAFD12-LCDBL
Single Mode		LC/APC	Green	RNAFD12-LCDGN

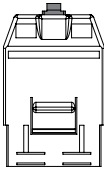
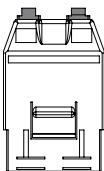
OM
5

OM
4

OM
3

OS
2

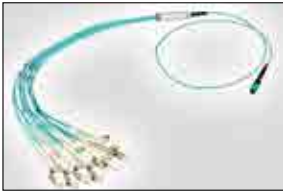
Transition Cassettes

Cable Type	Fibre Count	Drawing	Front Connectivity	Rear MTP	ORDER INFO
OM5	24 Core		LC	1 x 24 Core MTP Male*	RNFMD24-LC1MM5-XX.XX
OM4					RNFMD24-LC1MM4-XX.XX
OM3					RNFMD24-LC1MM3-XX.XX
OS2			LC/APC		RNFMD24-LP1MS2-XX.XX
OM5			2 x 12 Core MTP Male*	LC	RNFMD24-LCMMM5-XX.XX
OM4					RNFMD24-LCMMM4-XX.XX
OM3					RNFMD24-LCMMM3-XX.XX
OS2				LC/APC	RNFMD24-LPMMS2-XX.XX

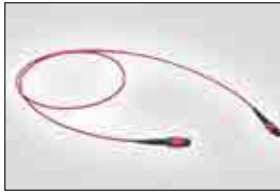
* Female rear MTP available on request

24 Fibre

MTP Fan Out and Backbone Cable Assemblies



1 x 24 Core MTP to 12 x LC Duplex



1 x 24 Core MTP to 1 x 24 Core MTP



MTP to LC

Cable Type	Fibre Count	Drawing	End A	End B	Polarity	ORDER INFO
OM5	24 Core		1 x 24 Core MTP	12 x LC Duplex	Straight	FLS24M5-MFLFDG-10.0M
					Crossover	FLC24M5-MFLFDG-10.0M
OM4					Straight	FLS24M4-MFLFDM-10.0M
					Crossover	FLC24M4-MFLFDM-10.0M
OM3					Straight	FLS24M3-MFLFDA-10.0M
					Crossover	FLC24M3-MFLFDA-10.0M
OS2					Straight	FLS24S2-MFLFDY-10.0M
					Crossover	FLC24S2-MFLFDY-10.0M

MTP to MTP

Cable Type	Fibre Count	Drawing	End A	End B	Polarity	ORDER INFO
OM5	24 Core		1 x 24 Core MTP	1 x 24 Core MTP	A	FLS24M5-MFMFXG-10.0M
					B	FLW24M5-MFMFXG-10.0M
OM4					A	FLS24M4-MFMFXM-10.0M
					B	FLW24M4-MFMFXM-10.0M
OM3					A	FLS24M3-MFMFXA-10.0M
					B	FLW24M3-MFMFXA-10.0M
OS2					A	FLS24S2-MFMFXY-10.0M
					B	FLW24S2-MFMFXY-10.0M

24 Fibre

SC and LC Fan Out Cable Assemblies



12 x 24 Core LC to 12 x 24 Core LC

12 x 24 Core LC to 12 x 24 Core LC



LC to LC

Cable Type	Fibre Count	Drawing	End A	End B	ORDER INFO
OM5	24 Core		12 x LC Duplex	12 x LC Duplex	RNFTD24-LFLFM5-10.0M
OM4					RNFTD24-LFLFM4-10.0M
OM3					RNFTD24-LFLFM3-10.0M
OS2					RNFTD24-LFLFS2-10.0M

SC to SC

Cable Type	Fibre Count	Drawing	End A	End B	ORDER INFO
OM5	24 Core		12 x SC Duplex	12 x SC Duplex	RNFTD24-SFSFM5-10.0M
OM4					RNFTD24-SFSFM4-10.0M
OM3					RNFTD24-SFSFM3-10.0M
OS2					RNFTD24-SFSFS2-10.0M

72 Fibre

MTP Cassette Assemblies



72 Fibre MTP Cassette to LC Fan Out



6 Port MTP Adaptor Mounting Module



72 Fibre MTP Cassette to MTP Cassette



Cassette Assemblies

Cable Type	Fibre Count	End A	End B	ORDER INFO
OM5	72 Core	6 x 12 Core MTP Cassette	MTP Cassette	RNFT672-MCMCM5-10.0M
			MTP Fan Out	RNFT672-MCMDM5-10.0M
			LC Fan Out	RNFT672-MCLFM5-10.0M
OM4			MTP Cassette	RNFT672-MCMCM4-10.0M
			MTP Fan Out	RNFT672-MCMDM4-10.0M
			LC Fan Out	RNFT672-MCLFM4-10.0M
OM3			MTP Cassette	RNFT672-MCMCM3-10.0M
			MTP Fan Out	RNFT672-MCMDM3-10.0M
			LC Fan Out	RNFT672-MCLFM3-10.0M
OS2			MTP Cassette	RNFT672-MCMCS2-10.0M
			MTP Fanout	RNFT672-MCMDS2-10.0M
			LC Fanout	RNFT672-MCLFS2-10.0M
	LC/APC Fanout	RNFT672-MCLPS2-10.0M		

Adaptor Mounting Modules

Ports	Adaptor	Polarity	Colour	ORDER INFO
6 Port	MTP	A	Black	RNAF06MTPBK
		B	Grey	RNAF06MTBGY

144 Fibre

MTP Cassette Assemblies



144 Fibre MTP Cassette to MTP Cassette



12 Port MTP Adaptor Mounting Module



144 Fibre 12 x 12 Core MTP Cassette to MTP Fan Out



Cassette Assemblies

Cable Type	Fibre Count	End A	End B	ORDER INFO
OM5	144 Core	6 x 24 Core MTP Cassette	MTP Cassette	RNFT6H4-MCMCM5-10.0M
			MTP Fan Out	RNFT6H4-MCMDM5-10.0M
OM4			MTP Cassette	RNFT6H4-MCMCM4-10.0M
			MTP Fan Out	RNFT6H4-MCMDM4-10.0M
OM3			MTP Cassette	RNFT6H4-MCMCM3-10.0M
			MTP Fan Out	RNFT6H4-MCMDM3-10.0M
OS2			MTP Cassette	RNFT6H4-MCMCS2-10.0M
			MTP Fan Out	RNFT6H4-MCMDS2-10.0M
OM5	144 Core	12 x 12 Core MTP Cassette	MTP Cassette	RNFTVH4-MCMCM5-10.0M
			MTP Fan Out	RNFTVH4-MCMDM5-10.0M
OM4			MTP Cassette	RNFTVH4-MCMCM4-10.0M
			MTP Fan Out	RNFTVH4-MCMDM4-10.0M
OM3			MTP Cassette	RNFTVH4-MCMCM3-10.0M
			MTP Fan Out	RNFTVH4-MCMDM3-10.0M
OS2			MTP Cassette	RNFTVH4-MCMCS2-10.0M
			MTP Fan Out	RNFTVH4-MCMDS2-10.0M

Adaptor Mounting Modules

Ports	Adaptor	Polarity	Colour	ORDER INFO
12 Port	MTP	A	Black	RNAF12MTPBK
		B	Grey	RNAF12MTBGY

144 Fibre

SC and LC Fan Out Cable Assemblies



12 x 24 Core LC Fan Out



12 x 24 Core SC Fan Out



LC to LC

Cable Type	Fibre Count	Drawing	End A	End B	ORDER INFO
OM5	144 Core		72 x LC Duplex	72 x LC Duplex	RNFTDH4-LFLFM5-10.0M
OM4					RNFTDH4-LFLFM4-10.0M
OM3					RNFTDH4-LFLFM3-10.0M
OS2					RNFTDH4-LFLFS2-10.0M

SC to SC

Cable Type	Fibre Count	Drawing	End A	End B	ORDER INFO
OM5	144 Core		72 x SC Duplex	72 x SC Duplex	RNFTDH4-SFSFM5-10.0M
OM4					RNFTDH4-SFSFM4-10.0M
OM3					RNFTDH4-SFSFM3-10.0M
OS2					RNFTDH4-SFSFS2-10.0M