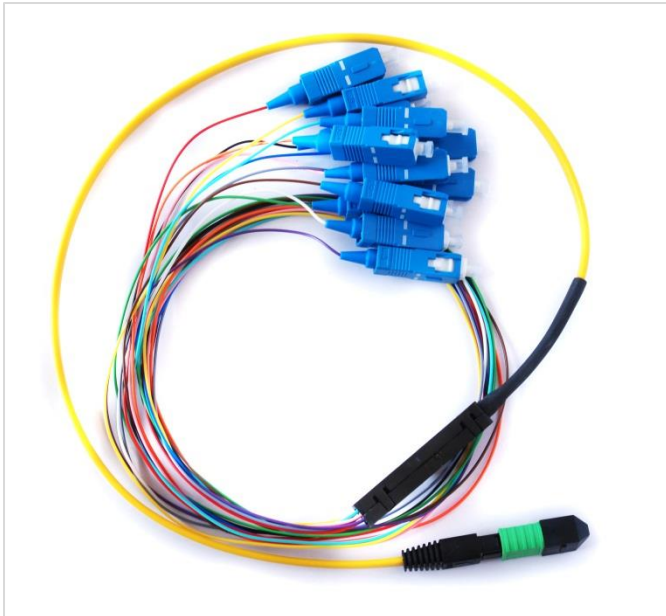


## Fibre Optic Assemblies & Components

# MTP Pre-terminated Cable



We offer both 1XN types multi fibre cable assemblies e.g. Multimode MPO/MTP to 12 connectors and NXN types like 12 SC UPC to 12 LC APC.

We can use bundle fibre cable (Loose Tube, Tight buffered, Breakout, Steel Tape Armoured) or ribbon fibre cable (6, 8 or 12 fibres)

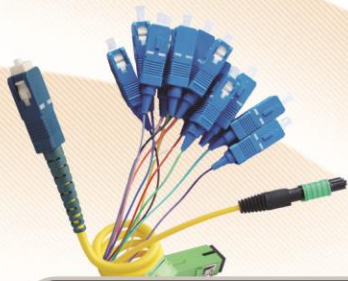
### Features & Benefits

- ISO certified laboratory
- 100% tested on optical performance (Insertion Loss & Return Loss)
- End-face geometry requirement comply to Telcordia GR-326-CORE
- Precise quality multi-core and pre-terminated fibre optic cable
- Plug-and-Play fibre eliminates need for complicated sensitive field terminations
- High concentricity 2.5mm ceramic ferrule for FC, ST, SC and 1.25mm ceramic ferrule for LC and MU
- Short lead time for non-standard and specific on-demand pre-terminated solutions
- Available in 4-144 or custom fibre counts
- Most fibre types available including: OS1, OM1, OM2 and OM3
- Standard breakout lengths can be staggered or fan-out
- Optional pulling eyes
- Sheath available in plenum or LSZH

### Performance Specifications

	Adventum			
	OS1 Singlemode (9/125mm)	OM1 Multimode (62.5/125mm)	OM2 Multimode (50/125mm)	OM3 Multimode (50/125mm 10gb)
Wavelength (nm)	1310/1550	850/1300	850/1300	850/1300
Attenuation (dB/km)	0.5/0.4	3.5/1.0	3.0/1.0	3.0/1.0
Bandwidth (MHz-km)	n/a	200/500	950/500	200/500

	Mini-Core			
	OS1 Singlemode (9/125mm)	OM1 Multimode (62.5/125mm)	OM2 Multimode (50/125mm)	OM3 Multimode (50/125mm 10gb)
Wavelength (nm)	1310/1550	850/1300	850/1300	850/1300
Attenuation (dB/km)	0.4/0.3	3.5/1.5	3.5/1.5	3.5/1.5
Bandwidth (MHz-km)	n/a	>300/>300	>200/>300	>1500/>500



## Fibre Optic Assemblies & Components

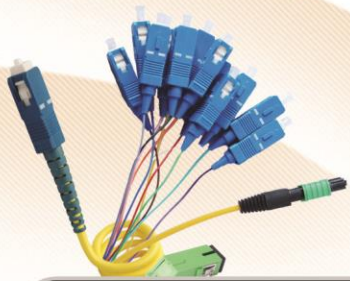
# MTP Pre-terminated Cable

### Mechanical Specifications

	Fibre Count	Adventum		Mini-Core		
		OFNP	OFNR	OFNP	OFNR	LSZH
Minimum Bend Radius (Installation)	12	9.9cm	9.7cm	6.0cm	6.0cm	6.0cm
	24 (Round)	n/a	n/a	12.0cm	12.0cm	12.0cm
	24 (Zip)	18.9cm	18.9cm	15.2cm	15.2cm	15.2cm
	36	14.1cm	15.1cm	18.0cm	18.0cm	18.0cm
	72	17.5cm	17.8cm	22.4cm	22.4cm	22.4cm
	144	26.4cm	27.2cm	35.0cm	35.0cm	35.0cm
Minimum Bend Radius (Long Term)	12	6.6cm	6.5cm	3.0cm	3.0cm	3.0cm
	24 (Round)	n/a	n/a	6.0cm	6.0cm	6.0cm
	24 (Zip)	12.6cm	12.6cm	7.6cm	7.6cm	7.6cm
	36	9.4cm	10.1cm	9.0cm	9.0cm	9.0cm
	72	11.7cm	11.9cm	11.2cm	11.2cm	11.2cm
	144	17.6cm	18.1cm	17.5cm	17.5cm	17.5cm
Maximum Tensile (Installation)	12	1335N	1335N	150N	150N	150N
	24 (Round)	n/a	n/a	160N	160N	160N
	24 (Zip)	1335N	1335N	300N	300N	300N
	36	2670N	2670N	1000N	1000N	1000N
	72	2670N	2670N	1000N	1000N	1000N
	144	2670N	2670N	1000N	1000N	1000N
Maximum Tensile (Long Term)	12	400N	400N	80N	80N	80N
	24 (Round)	n/a	n/a	80N	80N	80N
	24 (Zip)	400N	400N	160N	160N	160N
	36	890N	890N	300N	300N	300N
	72	890N	890N	300N	300N	300N
	144	890N	890N	300N	300N	300N

### Physical Specifications

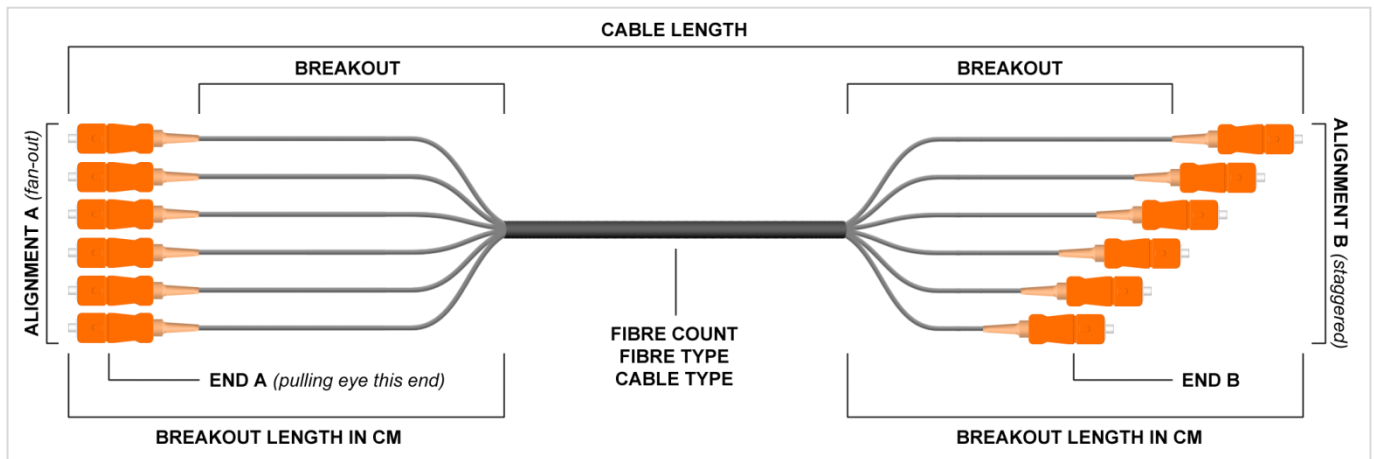
	Fibre Count	Adventum		Mini-Core		
		OFNP	OFNR	OFNP	OFNR	LSZH
Cable Outer Diameter (mm)	12	6.6	6.5	3.0	3.0	3.0
	24 (Round)	n/a	n/a	6.0	6.0	6.0
	24 (Zip)	6.2 x 12.6	6.2 x 12.6	4.2 x 7.6	4.2 x 7.6	4.2 x 7.6
	36	9.4	10.1	9.0	9.0	9.0
	72	11.7	11.9	11.2	11.2	11.2
	144	17.6	18.1	17.5	17.5	17.5
Weight (kg/km)	12	48.0	45.0	14.0	14.0	14.0
	24 (Round)	n/a	n/a	30.0	30.0	30.0
	24 (Zip)	80.0	80.0	31.0	31.0	31.0
	36	82.0	82.0	70.0	70.0	70.0
	72	101.0	132.0	98.0	98.0	98.0
	144	315.0	336.0	190.0	190.0	190.0
Operating Temperature (°C)	12-144	-40°C to +75°C	-40°C to +75°C	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C



## Fibre Optic Assemblies & Components

# MTP Pre-terminated Cable

### Ordering Information



Fibre Count		Alignment A		Cable Type		Alignment B	
12	P12	Staggered	S	Loose Tube	LT	Staggered	S
24	P24	Fan-out	F	Loose Tube	STA	Fan-out	F
36	P36			Steel Tape			
72	P72			Armoured			
144	P144			Tight Buffered	TB		
				Breakout	BO		
<b>P12</b>	<b>MTP</b>	<b>S</b>	<b>OS1</b>	<b>BO</b>	<b>SC</b>	<b>F</b>	<b>50</b>
Connector A		Fibre Type		Connector B		Length	
MTP	MTP	OM1	OM1	FC	FC	1m	01
		OM2	OM2	ST	ST	2m	02
		OM3	OM3	(UPC Only)		3m	03
		OM4	OM4	SC	SC	4m	04
		OS1	OS1	LC	LC	5m	05
		OS2	OS2	E2000	E2000	10m	10
		G652	652	MU	MU	15m	15
		G655	655	MTRJ	MTRJ	20m	20
		G656	656	(Duplex Only)		...	...
		G657	657	MTP	MTP	4000m	4000
				APC	+A (i.e 'SCA' for SC/APC)		

Example: **P12MTPSOS1BOSCF50** – Staggered MTP to Fan-out SC 12 Fibre OS1 Pre-terminated Breakout Cable 50m

Any queries, please contact the Linxcom team using the details below.