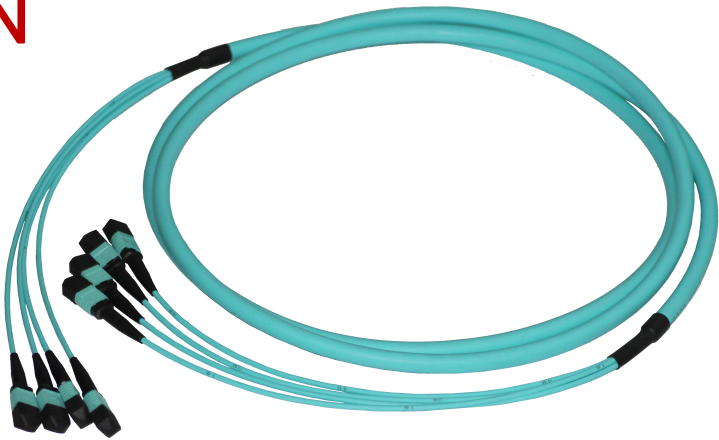


MTP® / MPO

EXTENSION TRUNK CABLE



MPO/MTP® EXTENSION TRUNK CABLE

12/24 f.o. MPO/MTP® Trunk cable facilitates a rapid deployment in high density environments. Used to interconnect MPO/MTP® cassettes and panels with the active equipment ports.

APPLICATIONS:

- ① Data Centre Infrastructures;
- ② Telecommunication Infrastructures.

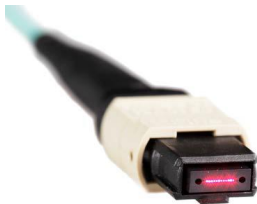
FEATURES:

- ① Use to distribute some or all of the fibers in a trunk cable to other areas;
- ② Have pins (Male type) on one end of the connector, and no pin (Female type) on the other end;
- ③ Choices of MPO/MTP in 12 or 24-fiber connector interface;
- ④ 100% tested;
- ⑤ Fiber counts available in 12 / 24 / 36 / 48 / 72 / 96 / 144-fibers
- ⑥ Round & mini-core cable structure to eliminate bend sensitivity;
- ⑦ Available in singlemode (9/125um), multimode (50 or 62.5/125um) and 10Gig fiber;
- ⑧ Optional pulling eye design to fit for different installation environment.

PRODUCT DETAILS



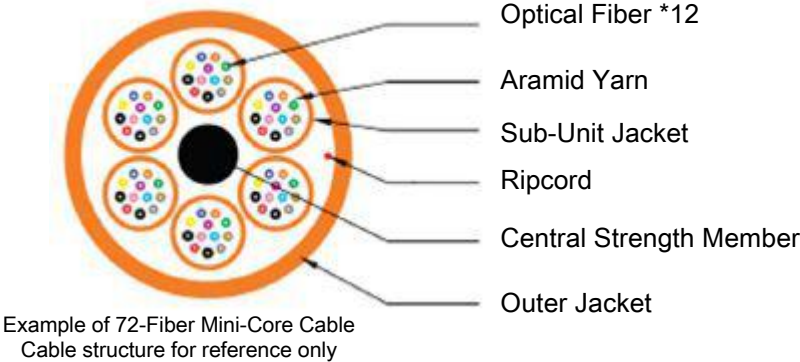
MTP® MALE



MTP® FEMALE 12 F.O.
KEY DOWN

Cable Structure Illustration:

72 Fiber Mini-Core Cable



Primary Coded Fiber (250µm)

Blue
Orange
Green
Brown
Grey
White
Red
Black
Yellow
Purple
Pink
Aqua

Number of Fibers

12, 24, 36, 48, 72, 96, 144

Cable Jacket Color

- ① Yellow – Singlemode (OS1)
- ② Orange – Multimode 50/125 (OM1) or 62.5/125 (OM2)
- ③ Aqua – 10 Gig 50/125 (OM3)

The information and specification in this document are subjected to change without notice.

Cable Mechanical Specifications:

	Fiber	Adventum		Mini-cores		
		OFNP	OFNR	OFNP	OFNP	LSZH
Minimum Bend Radius (Installatio)	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
	48	14.1cm	15.1cm	18.0cm	18.0cm	18.0cm
	72	17.5cm	17.8cm	22.4cm	22.4cm	22.4cm
	96	20.6cm	20.6cm	27.0cm	27.0cm	27.0cm
	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
	48	9.4cm	10.1cm	9.0cm	9.0cm	9.0cm
	72	11.7cm	11.9cm	11.2cm	11.2cm	11.2cm
	96	13.4cm	13.7cm	13.5cm	13.5cm	13.5cm
	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
	48	2670N	2670N	1000N	1000N	1000N
	72	2670N	2670N	1000N	1000N	1000N
	96	2670N	2670N	10000N	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
	48	890N	890N	300N	300N	300N
	72	890N	890N	300N	300N	300N
	96	890N	890N	300N	300N	300N
	144	890N	890N	300N	300N	300N

The information and specification in this document are subjected to change without notice.



Cable Physical Specifications:

	Fiber	Adventum		Mini-cores		
		OFNP	OFNR	OFNP	OFNP	LSZH
Outer Cable Diameter	12	6.6mm	6.5mm	3.0mm	3.0mm	3.0mm
	24 Round	n/a	n/a	6.0mm	6.0mm	6.0mm
	24 Zip	6.2mm x 12.6mm	6.2mm x 12.6mm	4.2mm x 7.6mm	4.2mm x 7.6mm	4.2mm x 7.6mm
	36	9.4mm	10.1mm	9.0mm	9.0mm	9.0mm
	48	9.4mm	10.1mm	9.0mm	9.0mm	9.0mm
	72	11.7mm	11.9mm	11.2mm	11.2mm	11.2mm
	96	13.4mm	13.7mm	13.5mm	13.5mm	13.5mm
	144	17.6mm	17.8mm	17.5mm	17.5mm	17.5mm
Weight	12	48.0kg/km	45.0kg/km	14.0kg/km	14.0kg/km	14.0kg/km
	24 Round	n/a	n/a	30.0kg/km	30.0kg/km	30.0kg/km
	24 Zip	80.0kg/km	80.0kg/km	31.0kg/km	31.0kg/km	31.0kg/km
	36	82.0kg/km	82.0kg/km	70.0kg/km	70.0kg/km	70.0kg/km
	48	82.0kg/km	82.0kg/km	70.0kg/km	70.0kg/km	70.0kg/km
	72	101.0kg/km	132.0kg/km	98.0kg/km	98.0kg/km	98.0kg/km
	96	229.0kg/km	205.0kg/km	130.0kg/km	130.0kg/km	130.0kg/km
	144	315.0kg/km	336.0kg/km	190.0kg/km	190.0kg/km	190.0kg/km
Operation Temperature	12~144	-40℃ ~ +75℃	-40℃ ~ +75℃	-20℃ ~ +70℃	-20℃ ~ +70℃	-20℃ ~ +70℃

Fiber Performance Specifications:

	Adventum				Mini-cores			
	OS1 Singlemode (9/125um)	OM1 Multimode (62.5/125um)	OM2 Multimode (50/125um)	OM3 Multimode (50/125um 10Gig)	OS1 Singlemode (9/125um)	OM1 Multimode (62.5/125um)	OM2 Multimode (50/125um)	OM3 Multimode (50/125um 10Gig)
Wavelength (nm)	1310/1550	850/1300	850/1300	850/1300	1310/1550	850/1550	850/1550	850/1550
Attenuation (dB/KM)	0.5/0.4	3.5/1.0	3.0/1.0	3.0/1.0	0.4/0.3	3.5/1.5	3.5/1.5	3.5/1.5
Bandwidth (MHz*km)	n/a	200/500	950/500	2000/500	n/a	≥300 / ≥300	≥200 / ≥300	≥1500 / ≥500
OM3 10Gig Transmission distance at 850/1300 is 300 meters								

The information and specification in this document are subjected to change without notice.



2nd Floor, Building N, 3rd Industrial Zone, North Rd of DaLang, Longhua, Shenzhen 518109

Tel.: 0086.755.2100.1006 Fax.: 0086.755.2100.1006 Email: sales@punofiber.com

Cable Assemblies Technical Information:

Polarity

All PUNO's MTP (MPO) cable assemblies in this document are having Straight Polarity (A-to-A,B-to-B). Cross Polarity (A-to-B,B-to-A) or Pair Flip polarity is available, please contact our sales team for details.

Performance of Assemblies:

MTP® / MPO Termination

Optical Performance**					
Performance	Type	Singlemode (APC polish)		Multimode (PC/Flat Polish)	
		Standard	Elite Low Loss	Standard	Elite Low Loss
Maximum Insertion Loss		≤0.75dB	≤0.35dB	≤0.60dB	≤0.35dB
Return Loss		≥50dB		N/A	
Operating Temperature		-40℃ to 80℃		-40℃ to 80℃	
Test Wavelength		1310nm		850nm	

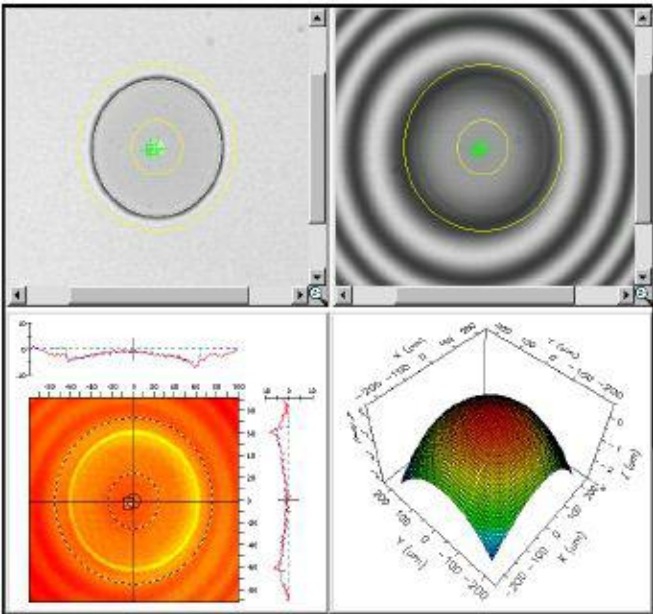
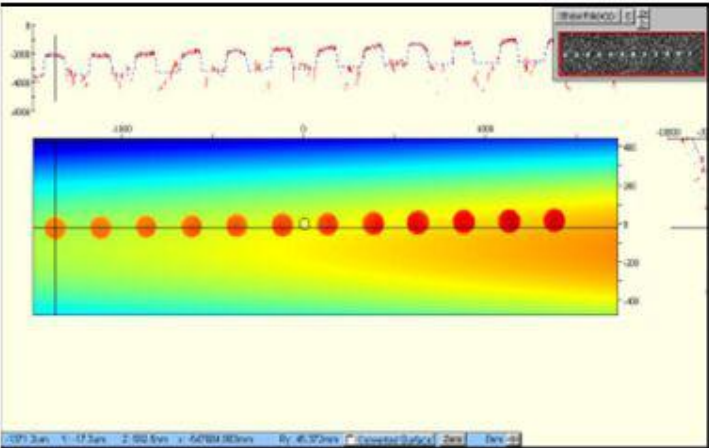
MTP® / MPO Termination

Optical Performance**				
Performance	Type	Singlemode		Multimode
		UPC	APC	PC
Maximum Insertion Loss		≤0.3dB	≤0.3dB	≤0.3dB
Typical Insertion Loss		0.2dB	0.2dB	0.2dB
Return Loss		≥50dB	≥65dB	≥25dB
Operating Temperature		-40℃ to 80℃		-40℃ to 80℃
Test Wavelength		1310nm		850nm

Geometric Performance

Manufactured to Telcordia standard GR-326-CORE.

** Above performance refers to PUNO standard grade performance, flexible specification is available to fit for different installation needs, please contact our professional sales team for details



The information and specification in this document are subjected to change without notice.



2nd Floor, Building N, 3rd Industrial Zone, North Rd of DaLang, Longhua, Shenzhen 518109

Tel.: 0086.755.2100.1006 Fax.: 0086.755.2100.1006 Email: sales@punofiber.com

Ordering Information:

E	T	M	F	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

(1) Fiber Count

12=12-Fiber

24=24-Fiber

36=36-Fiber

48=48-Fiber

72=72-Fiber

96=96-Fiber

114=114-Fiber

(2) Fiber Type

SM=OS1 Singlemode

Yellow Jacket

M1=OM1(62.5/125)

Orange Jacket

M2=OM2(50/125)

Orange Jacket

M3=OM3(50/125 10Gig)

Aqua Jacket

See Note(1)

(3) Cable Type

AP=Adventum Plenum(OFNP)

AR=Adventum Riser(OFNR)

MP=Mini-cores Plenum(OFNP)

MR=Mini-cores Plenum(OFNR)

ML=Mini-cores Low Smoke Zero Halogen(LSZH)

(4) Furcation Length On A-END

0600=600mm(Standard)

1000=1000mm

XXX=Customized Length

See Note(2) & (3)

(5) Furcation Length On B-END

0600=600mm(Standard)

1000=1000mm

XXX=Customized Length

See Note(2) & (3)

(6) Overall Cable Length

XXX=001-999

(Please Specify)

(7) Unit of Measure

F=Feet/Foot

M=Meter

(8) Pulling Eye

1=On A-END

2=On B-END

3=On BOTH END

4=None

NOTES

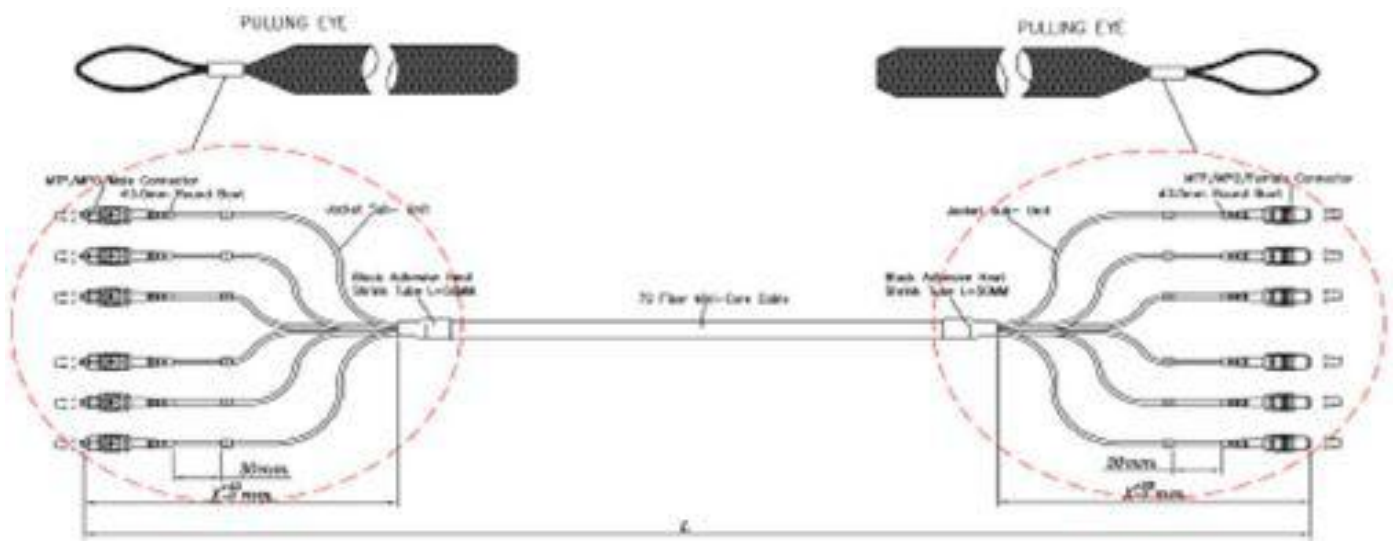
- (1) OM3 (50/125 10 Gig) is for Laser speed transmission up to 300 meters. 10 Gig fiber for transmission up to 550 meters is available upon request, please contact our sales team for details.
- (2) If Adventum cable is chosen, maximum furcation length is 3000mm.
- (3) Furcation length tolerance: +50/-0mm.
- (4) If singlemode is chosen, MTP endface polishing will be APC.
- (5) If multimode is chosen, MTP endface polishing will be Flat.

Assembly Structure Illustration:

EXAMPLE

Catalogue No.: ET-M-F-72-M1-MP-0800-0800-002-M-3

Item Description: Extension Trunk Assembly, 72-Fiber, Multimode (OM1), Mini-Core Plenum Cable, A-End Furcation Length 800mm, B-End Furcation Length 800mm, Overall Length 2 meters, Pulling Eye on Both Ends



The information and specification in this document are subjected to change without notice.

