

FANOUT MPO/MTP® - LC*

MPO/MTP® Fanout harness enables cross-connecting MPO with standard connectors. One side of multifiber cable terminated with MPO/MTP® connector. Second side of multifiber cable available with any type connector required: SC, LC, E2000, FC, ST, LC Duplex Uniboot. (APC or PC available). Application of MPO fanouts enables better organization of usage space inside teleinformatic cabinets without changing current layout of available system.

MPO/MTP® FANOUT FEATURES:

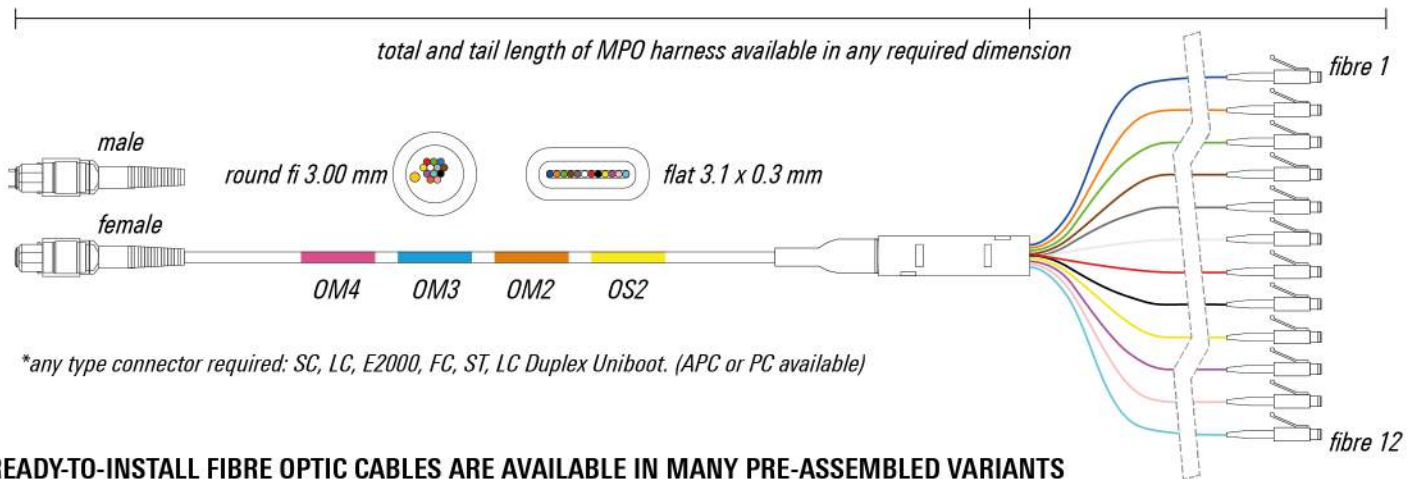
- ▶ 12 fibers in a single MPO/MTP® connector (24 on request).
- ▶ Thin, very flexible fibre-optic patch cable (round cable, Ø 3.0 mm and flat cable, 3.1mm x 0.3mm) with 12 fibres.
- ▶ Available fiber OS2, OM2, OM3 and OM4
- ▶ LSOH coating
- ▶ Different lengths (length of single fiber harness, any overall length) & colour of single fibers available (OFS, DIN, Standard (telcordia) any other on request.
- ▶ Different boot options: flex, short
- ▶ Standard connectors finished with equal or cascade length
- ▶ For duplex connectors clips or uniboot available with capability of male and female connectors
- ▶ Sticker labelling at both cable ends (optional)
- ▶ Compact fanout harness housing.
- ▶ Pigtails in harness terminated (Ø 900 um or Ø 2.0 mm) with any type connector required: SC, LC, E2000, FC, ST, LC Duplex Uniboot. (APC or PC available)
- ▶ Project-specific assemblies are available on requestTVTV

TECHNICAL PARAMETERS OF MPO/MTP® CONNECTORS

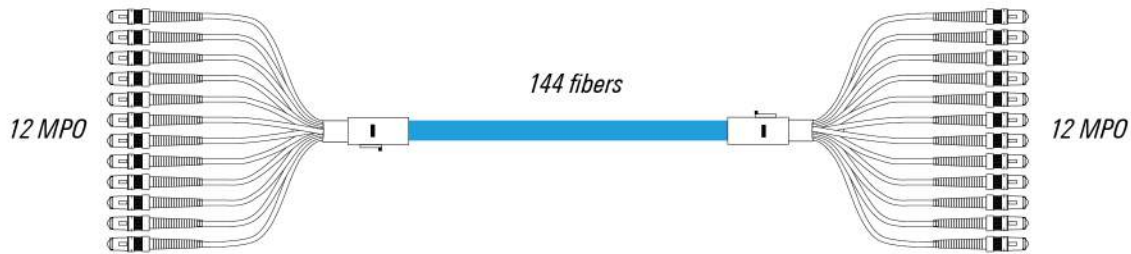
Polishing Connector	MPO Female (SM) STANDARD	MPO Female (MM) STANDARD		
Insertion Loss (IL)	< 0.50 dB	< 0.50 dB		
Return Loss (RL)	> 50dB	> 35dB		
Mating Cycles Delta IL	< 0.2 dB after 500 mating cycles			
Fiber Cable Type	G652D or G657A	OM2, OM3 OM4		
Cable Color	OS2	OM2	OM3	OM4
Cable	round cable, Ø 3.0 mm and flat cable, 3.1mm x 0.3mm			
Standard connectors on pigtails side	LC, SC, E2000, FC, ST, LCD Uniboot			
Cable Pull-out Force	100N (flat), 110N (round)			
Operating Temperature	-20°C~+70°C			
Storage Temperature	-40°C~+80°C			

*any type connector required: SC, LC, E2000, FC, ST, LC Duplex Uniboot. (APC or PC available)

MPO/MTP® FANOUTS – LCD* 12 FIBRES LENGTH CONFIGURATION



READY-TO-INSTALL FIBRE OPTIC CABLES ARE AVAILABLE IN MANY PRE-ASSEMBLED VARIANTS SUCH AS 12MPO - 12MPO - 144 FIBRES



EXAMPLE ORDERING CODE

FM-12-7-P-6SCA6LCA-0-01-F-12S-P-X-K-C-E	Fanout harness single mode 12 fibers on flat cable 3,1 x 0,3 mm with G657.A1 9/125um fiber, MPO on 6 SC APC and 6 LC APC, pigtails on 2.0mm cables, 1 meter, female, 12 colours acc. to Standard colour code, Premium, with Flexboots, connectors in cascade, clips on LC connectors, grey colour boots.
FM-12-3-O-LC-9-05-M-12D-N-Q-Q-C-Q	Fanout harness multi mode 12 fibers on round cable 3,0mm with OM3 50/125um fiber, MPO on 12 LC PC, pigtails on 900um tube, 5 meters, male, 12 colours acc. to DIN colour code, Neptun, clips on LC connectors.
FM-12-4-O-LC-0-02-M-12O-T-Q-Q-Q-Q	Fanout multi mode 12 fibers on round cable 3,0mm with OM4 50/125um fiber, MPO on 12 LC PC, pigtails on 2,0mm cables, 2 meters, male, 12 colours acc. to OFS colour code, Telecom
FM-12-7-P-SCA-9-11-F-12S-N-Q-Q-Q-Q	Fanout single mode 12 fibers on flat cable 3,1 x 0,3 mm with G.657.A1 9/125um fiber, MPO on 12 SC APC, pigtails on 900um tubes, 11 meters, female, 12 colours acc to. Standard colour code, Neptun.

ORDERING INFORMATION

Type	Fiber type	Type of cable	CON ⁽²⁾	Diameter of pigtails	Type of connector	Producer/Premium/Standard ⁽¹⁾	Boots	Pigtails colour code	Cascade:	Boot colours
FM – MPO Fanout harness with standard connectors	9 – SM G652D 7 – SM G657.A1 6 – SM G657.A2 8 – SM G657.A2/B2 5 – SM G.655 1 – MM OM1 (62,5) 2 – MM OM2 (50) 3 – MM OM3 (50) 4 – MM OM4 (50)	P – flat cable dimensions: 3,1 x 03mm O – round cable diameter: 3,0mm R – Ribbon	SCA – for SC APC connectors SC – for SC PC connectors LCA – for LC APC connectors LC – for LC PC connectors ST – for ST PC connectors FC – for FC PC connectors FCA – for FC APC connectors E2 – for E2000 PC connectors E2A – for E2000 APC connectors	0 – 2.0mm cable 9 – 900um tube 4 – 2.4 mm cable 8 – 2.8 mm cable 3 – 3.0 mm cable 6 – 1.6 mm cable	F – female M – male	N – standard made by Cellco P – premium made by Cellco T – Telcom produced by supplier.	Q – Standard boot X – Flexboot S – Shortboot U – Uniboot ^(®) (3) only LC available	W – all white Y – all yellow R – all red B – all black O – all brown P – all pink L – all blue V – all violet G – all green E – all grey A – all qua N – all orange 12O – 12 colours OFS colour code 6S – first 6 colours of Standard color code 10D – first 10 colours DIN colour code	K – pigtails in cascade Q – equal length	Q – Standard boots W – white Y – yellow R – red B – black O – brown P – pink L – blue V – violet G – green E – grey A – aqua N – orange
Fibers quantity					Total length	(1) values declared by QLT			Clips	
12 – fibers quantity in MPO connector 24 – fibers quantity in MPO connector			(2) other connectors on a client's request		01 – 1 meter 02 – 2 meters 02,5 – 2,5 meters - - - different lengths available			C – with clips - – without clips		