

LL-PT12FO-MPOLC-OM4

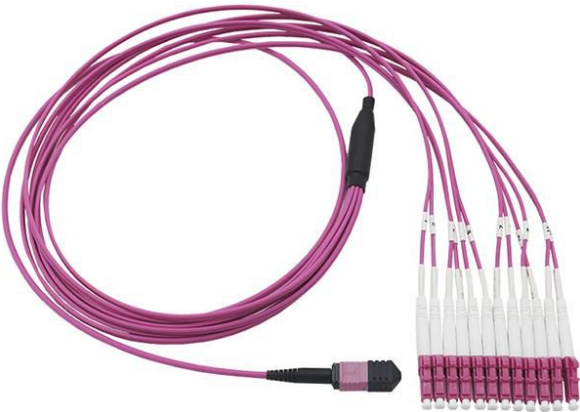
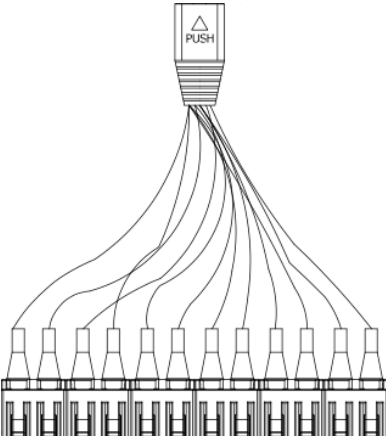
— Patchcord 12 fiber cable, MPO-LC, 50/125µm OM4, LSZH —

Connectors: MPO & LC – plastic body, silica/plastic compound ferrule

Cable: 12-fiber cable 3mm – 50/125 OM4, LSZH sheath acc. to IEC60332-1-2

STANDARD COMPLIANCE

All components of/and the final product are designed and tested to conform the requirements ISO/IEC 11801, EN 50173, EIA/TIA 568, IEEE 802, IEC 61754-07, 61754-20, ANSI/ICEA-596, IEC 60793, IEC 60794, IEC 61300-3-35, IEC 60331, IEC 60332, ITU-T G.651, Bellcore/Telcordia GR-409-CORE. All components are RoHS compliant and do not and will not contain any restricted hazardous substances as detailed in RoHS 2002/95/EC.



PERFORMANCE

Attenuation	: MPO ≤0.35 dB, LC ≤0.20 dB
Overall attenuation	: ≤0.55 dB
Temperature range	: -5° C to 60° C
Color of sheath	: violet (other colors on request)
Cable	: indoor, 12 fibers 250µm with aramid yarns , LSOH sheath
Fiber	: semi-tight buffer (tight buffered on request)
Color of boot	: black (other colors on request)
Packaging	: 1 pc./unit (other packaging on request)

TECHNICAL PERFORMANCE



MPOfemale-low loss	TYPE	LC
Silica/plastic compound	MATERIAL OF FERRULE	zirconia-ceramic (ZrO2)
plain	CONNECTOR SURFACE	convex
glue	CONNECTION OF FIBER	glue
plastic compound, violet	MATERIAL OF BODY	plastic compound, violet
push-pull	CONNECTION AT ADAPTER	push-pull
200	MATING CYCLES	1000
127µm ± 1µm	FERRULE DRILLING	127/128µm



MECHANICAL PERFORMANCE CABLE

Weight	: 9.4kg/km (nominal)
Temperature range	: -20°C to 60°C
Bending radius (static/dynamic)	: 10 x OD / 20 x OD
Tensile strength (short/long term)	: 200N / 100N
Crush resistance (short/long term)	: 500N/dm / 100N/dm
Fire load	: 0.2MJ/m

OPTICAL PERFORMANCE FIBER (acc. to ITU-T G.651, EN50173-1:2010 cat.OM4, ISO/IEC11801:2010 cat.OM4)

Item	Unit	Values
CORE DIAMETER	µm	50 ± 2.5
CLADDING DIAMETER	µm	125 ± 1
CORE NON-CIRCULARITY	%	≤5.0
CLADDING NON-CIRCULARITY	%	≤1.0
CORE/CLADDING CONCENTRICITY ERROR	µm	≤1.0
COATING NON-CIRCULARITY	%	≤6.0
CLADDING-COATING CONCENTRICITY ERROR	µm	≤12.0
TYP. ATTENUATION @ 850nm	dB/km	≤2.3
TYP. ATTENUATION @ 1300nm	dB/km	≤0.6
OFL BANDWIDTH @ 850nm	MHz x km	≥3500
OFL BANDWIDTH @ 1300nm	MHz x km	≥500
EFFECTIVE MODAL BANDWIDTH @ 850nm	MHz x km	≥4700
EFFECTIVE MODAL BANDWIDTH @ 1300nm	MHz x km	≥500
FOR ENTIRE FIBER SPECS REFER TO		LL-F-008-OM4/KX

- OPTICAL FIBERS  
50/125µm OM4
- CLADDED OPTICAL FIBERS  
12 x 50/245±7µm
- colors:
- |            |             |
|------------|-------------|
| 1 - blue   | 2 - orange  |
| 3 - green  | 4 - brown   |
| 5 - grey   | 6 - white   |
| 7 - red    | 8 - black   |
| 9 - yellow | 10 - purple |
| 11 - pink  | 12 - aqua   |
- Aramid yarns
- OUTER SHEATH  
color: violet  
diameter: 3 ± 0.1mm  
LSOH compound

