

LL-PT12FO-MPO(F)LLMPO(F)LL-OM4

— Patchcord 12 fiber cable, low loss MPO-female-low loss MPO-female, 50/125µm OM4, LSZH —

Connectors: MPO(F)LL – plastic body, silica/plastic compound ferrule

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

STANDARD COMPLIANCE

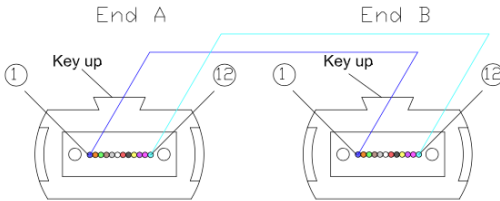
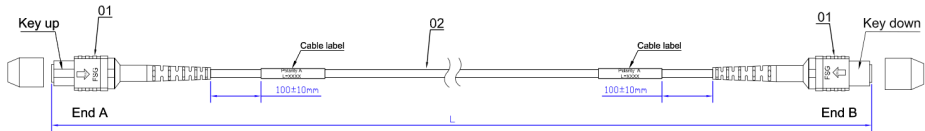
All components of/and the final product are designed and tested to conform the requirements ISO/IEC 11801, EN 50173, EIA/TIA 568, IEEE 802, IEC 61754-07, ANSI/ICEA-596, IEC 60793, IEC 60794, IEC 61300-3-35, IEC 60331, IEC 60332, ITU-T G.651, Bellcore/Telcordia GR-409-CORE. All components are RoHS compliant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



PERFORMANCE

Attenuation	: ≤0.35 dB
Return loss	: ≥30 dB
Temperature range	: -5° C to 60° C
Color of sheath	: violet
	(other colors on request)
Fiber	: semi-tight buffer
	(tight buffered on request)
Color of boot	: black
	(other colors on request)
Packaging	: 1 pc./unit
	(other packaging on request)

Polarity A



TECHNICAL PERFORMANCE



MPOfemale-low loss	TYPE	MPOfemale-low loss
Silica/plastic compound	MATERIAL OF FERRULE	Silica/plastic compound
plain	CONNECTOR SURFACE	plain
glue	CONNECTION OF FIBER	glue
plastic compound	MATERIAL OF BODY	plastic compound
push-pull	CONNECTION AT ADAPTER	push-pull
200	MATING CYCLES	200
127µm ± 1µm	FERRULE DRILLING	127µm ± 1µm



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

