

LL-PT12FO-MPOLC-sm

— Patchcord 12 fiber cable, MPO-LC, singlemode, LSZH —

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

Cable: 12-fiber cable 3mm – 9/125 G.652.D, LSZH sheath acc. to IEC60332, IEC 61300

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.652.D, Bellcore/Telcordia GR-1435-CORE. All components are RoHS compliant and do not and will not contain any restricted hazardous substances as detailed in RoHS 2002/95/EC.



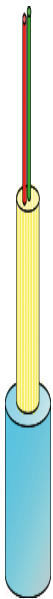
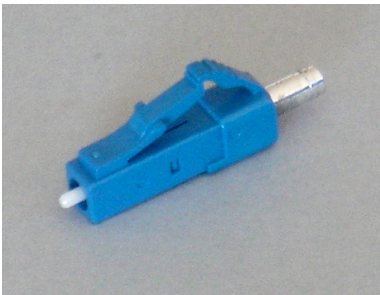
PERFORMANCE

Insertion loss	: MPO ≤0.35 dB / LC ≤0.30 dB
Return loss	: MPO ≥50 dB / LC ≥0.50 dB
Repeatability	: ≤0.1 dB
Durability	: ≤0.2 dB (typical value after 1000 matings)
Interchangeability	: ≤0.2 dB
Temperature range	: -40° C to 70° C
Color of sheath	: yellow (other colors on request)
Cable	: indoor, 12 fibers 250µm with aramid yarns tensile strength, LSOH sheath
Fiber	: semi-tight buffer (tight buffered on request)
Color of boots	: black (@ MPO-side) white, blue or black (@ LC-side) (other colors on request)
Packaging	: 1 pc./unit (other packaging on request)



TECHNICAL PERFORMANCE

MPOfemale	TYPE	LC
Silica/plastic compound	MATERIAL OF FERRULE	zirconia-ceramic (ZrO ₂)
plain	CONNECTOR SURFACE	convex
glue	CONNECTION OF FIBER	glue
plastic compound, green	MATERIAL OF BODY	plastic compound, blue
push-pull	CONNECTION AT ADAPTER	push-pull
1000	MATING CYCLES	1000
126µm ± 1µm	FERRULE DRILLING	125/126µm



- OPTICAL FIBERS
9/125µm
- CLADED OPTICAL FIBERS
12 x 9/242.5±7.5µm
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: yellow
diameter: 3 ± 0.1mm
LSOH compound

MECHANICAL PERFORMANCE CABLE

Weight	: 9.4kg/km (nominal)
Temperature range	: -40°C to 70°C
Bending radius (static/dynamic)	: 10 x OD / 20 x OD
Tensile strength (short/long term)	: 100N / 50N
Crush resistance (short/long term)	: 500N/dm – 100N/dm
Fire load	: 0.2MJ/m

OPTICAL PERFORMANCE FIBER (acc. to ITU-T G.652.D)

Item	Unit	Values
MODE FIELD DIAMETER @ 1310nm	µm	9.1 ± 0.4
MODE-FIELD DIAMETER @ 1550nm	µm	10.3 ± 0.5
CORE/CLADDING CONCENTRICITY ERROR	µm	≤1.0
CLADDING DIAMETER	µm	125 ± 0.7
CLADDING NON-CIRCULARITY	%	≤1.0
COATING DIAMETER	µm	242.5 ± 7.5
COATING NON-CIRCULARITY	%	≤6
COATING/CLADDING CONCENTRICITY ERROR	µm	≤12
ATTENUATION @ 1310nm	dB/km	≤0.36
ATTENUATION @ 1550nm	dB/km	≤0.22
MACRO-BENDING - 100 turns x R25mm @ 1550nm	dB	≤0.05
MACRO-BENDING - 1 turn x R16mm @ 1550nm	dB	≤0.05
CABLE CUT-OFF WAVELENGTH	λ _{cc}	≤1260

