

LL-PGT-LC-sm

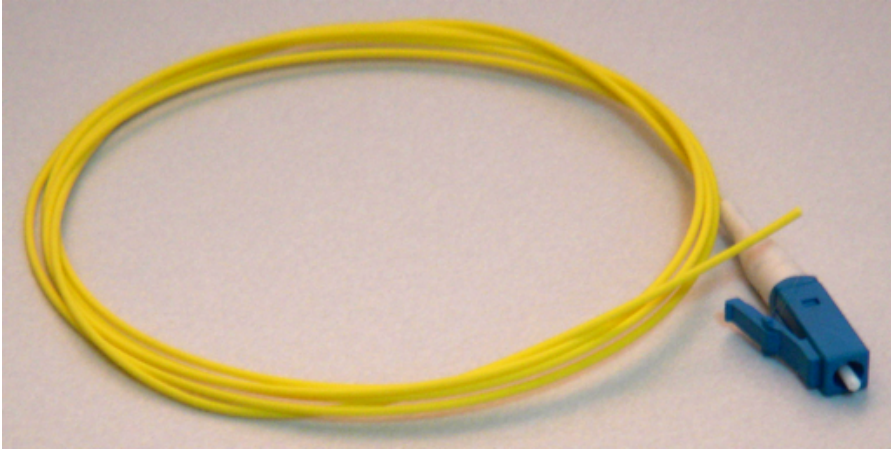
— Pigtail LC, singlemode 9/125µm —

Connector: LC – plastic body, ceramic ferrule (ZrO₂)

Fiber: 900µm singlemode 9/125, yellow

STANDARD COMPLIANCE

All components of / and the final product are designed and tested to confirm the requirements of IEC 60874-20, CECC, Bellcore / Telcordia GR-326 (reduced), EIA/TIA 568, ISO/IEC 11801:2002 2nd Ed., EN 50173-1:2002, ITU-T G.652.D, IEC 60793 & 60794. All components are RoHS compliant and do not and will not contain any restricted hazardous substances as detailed in RoHS 2002/95/EC.



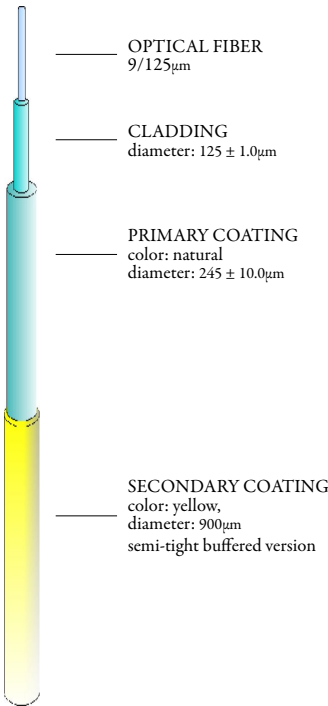
PERFORMANCE

Attenuation	: ≤0.25 dB
Return loss	: ≥35 dB
Temperature range	: -10°C to 65°C
Color of fiber	: yellow (other colors on request)
Fiber version	: semi-tight buffer (tight buffered version on request)
Color of boot	: black or white (other colors on request)
Packaging	: 6 pcs./unit (other packaging on request)

TECHNICAL PERFORMANCE



Type	: LC
Material of ferrule	: ZrO ₂ (Zirconia) / Ceramic
Material of body	: plastic compound, blue color
Connection	: push-pull
Insertion loss	: ≤0.10 dB
Attenuation after termination	: ≤0.25 dB
Mating cycles	: ≥1000
Ferrule drilling	: 125/126µm



MECHANICAL PERFORMANCE FIBER

Weight	: 0.7 kg/km
Temperature range	: -10°C to 65°C
Bending radius	: 30 mm
Tensile strength	: 3N
Crush resistance	: 0.1N/mm (long term) - 1N (short term)

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

Item	Unit	Property
CORE DIAMETER	µm	9.2 ± 0.4
CLADDING DIAMETER	µm	125 ± 1.0
CLADDING NON-CIRCULARITY	%	≤1.0
CORE/CLADDING CONCENTRICITY	µm	≤ 0.6
TYP. ATTENUATION @ 1310nm - 1625nm	dB/km	0.39
TYP. ATTENUATION @ 1550nm	dB/km	0.25
CHROMATIC DISPERSION COEF. 1285nm - 1330nm	ps/km*nm	≤3.0
CHROMATIC DISPERSION COEF. 1270nm - 1340nm	ps/km*nm	≤ 6.0
CHROMATIC DISPERSION COEF. 1550nm	ps/km*nm	≤18.0
CUT-OFF WAVELENGTH HIGH/LOW LIMIT	λc nm	1330/1150
POLARISATION MODE DISPERSION (PMD) COEF.	ps/√km	≤ 0.5
PMD _Q LINK DESIGN VALUE	ps/√km	≤ 0.2
FOR ENTIRE FIBER SPECS REFER TO		LL-F-002-sm

