Fiber Optic Pigtails

LL-PGT-LC-sm

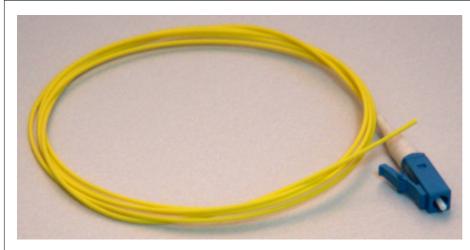
— Pigtail LC, singlemode 9/125µm —

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

:LC



Material of ferrule : ZrO₂ (Zirconia/Ceramic)

Material of body : plastic compound, blue color

 $\begin{tabular}{ll} Connection & : push-pull \\ Insertion loss & : $\le 0.10 \ dB \\ Attenuation after termination & : $\le 0.25 \ dB \\ Mating cycles & : $\ge 1000 \\ Ferrule drilling & : $125/126\mu m \\ \end{tabular}$





CLADDING diameter: 125 + 1.0um

PRIMARY COATING color: natural diameter: 245 ± 10.0µm

SECONDARY COATING
color: yellow,
diameter: 900µm
semi-tight buffered version

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	$9,2 \pm 0,4$
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

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