

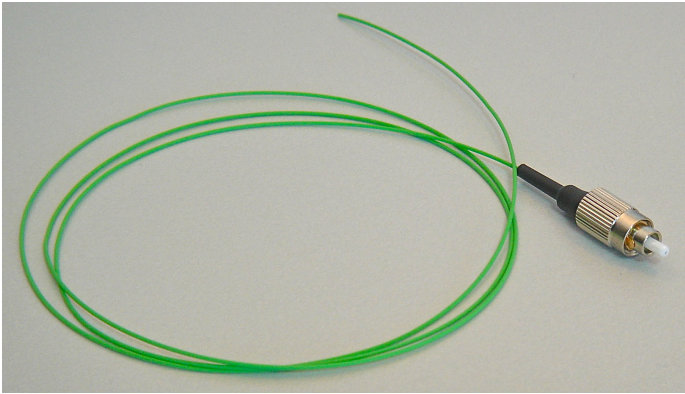
LL-PGT-FC-50

— Pigtail FC, multimode 50/125 —

Connector : FC – metal body, ceramic ferrule (ZrO₂)
Fiber : 900µm multimode 50/125, green

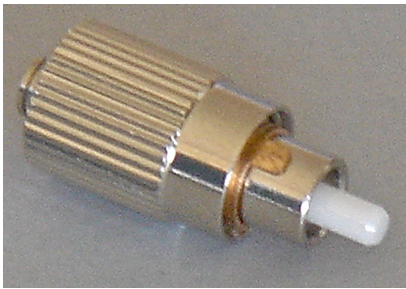
STANDARD COMPLIANCE

All components of / and the final product are designed and tested to confirm the requirements of IEC 60874-07, CECC, Bellcore / Telcordia GR-326 (reduced), EIA/TIA 568, ISO/IEC 11801:2002 2nd Ed., EN 50173-1:2002, ITU-T G.651, IEC 60793-2-50 B1.1, IEC 60793-2-10 A1a, EIA/TIA 492AAAB. All components are RoHS compliant and do not and will not contain any restricted hazardous substances as detailed in RoHS 2002/95/EC.



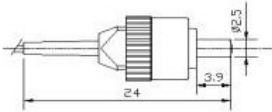
PERFORMANCE

Attenuation	: <0.25 dB
Return loss	: >25 dB
Temperature range	: -10°C to 65°C
Color of fiber	: green (other colors on request)
Fiber version	: semi-tight buffer (tight buffered version on request)
Color of boot	: black (other colors on request)
Packaging	: 6 pcs./unit (other packaging on request)



TECHNICAL PERFORMANCE

Type	: FC
Material of ferrule	: ZrO ₂ (Zirconia/ Ceramic)
Material of body	: metal
Connection	: screwing device
Insertion loss	: <0.20 dB
Attenuation after termination	: <0.25 dB
Mating cycles	: >1000
Ferrule drilling	: 127/128µm



- OPTICAL FIBER
50/125 µm
- CLADDING
diameter: 125 ± 2.0µm
- PRIMARY COATING
color: natural
diameter: 245 ± 10.0µm
- SECONDARY COATING
color: green
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.651)

Item	Unit	Values
CORE DIAMETER	µm	50 ± 2.5
CLADDING DIAMETER	µm	125 ± 2
CLADDING NON-CIRCULARITY	%	≤ 1.0
CORE/CLADDING CONCENTRICITY	µm	≤ 1.5
TYP. ATTENUATION @ 850nm	dB/km	2.7
TYP. ATTENUATION @ 1300nm	dB/km	0.8
Link length 1000BaseSX	m	2 - 500
Link length 1000BaseLX	m	2 - 800
Link length 10GBaseSR	m	2 - 82
Link length 10GBaseX4	m	2 - 300
BANDWIDTH @ 850nm	MHz × km	≤ 500
BANDWIDTH @ 1300nm	MHz × km	≤ 800
FOR ENTIRE FIBER SPECS REFER TO		LL-F-006-50

