Fiber Optic Patchcords

Fumo Communications

LL-PT/DX-LCLC-50

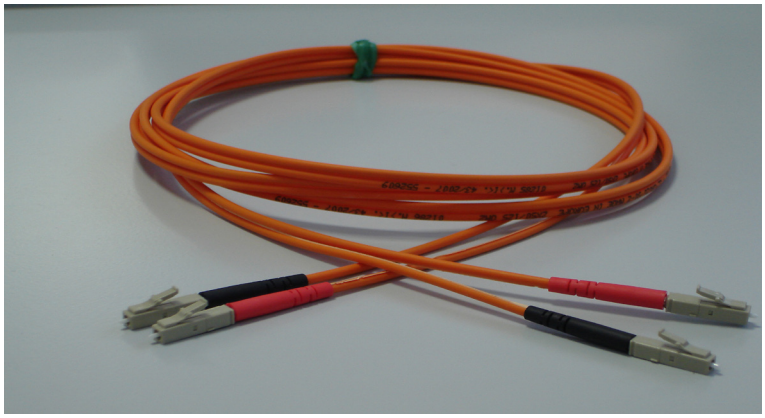
— Patchcord duplex LC-LC, 50/125 —

Connector : LC – plastic body, ceramic ferrule (ZrO_2); LC – plastic body, ceramic ferrule (ZrO_2)

Cable : Zipcord – 50/125, LSOH sheath

STANDARD COMPLIANCE

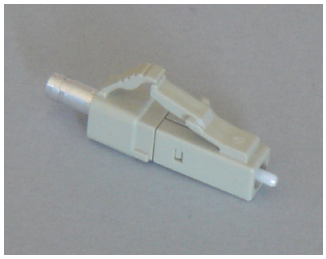
All components of/and the final product are designed and tested to conform the requirements of IEC 60874-14, IEC 61754-4 & 20, Bellcore/Telcordia GR-326, EIA/TIA 604-3, EIA/TIA 568, ISO/IEC 11801 2nd Ed., EN 50173, JIS C5973 F04, ICEA-596, IEC60793-2-10 A1a or IEC60793-2-10 A1b or ITU-T G.651 (depending on fiber dia-meter), Bellcore/Telcordia GR-409-CORE, IEC 793, IEC 794-1-E1, IEC 794-1-E3 UL1666/901 (when UL-cable used and EIA/TIA455). All components are RoHS compliant and do not and will not contain any restricted hazardous substances as detailed in RoHS 2002/95/EC.



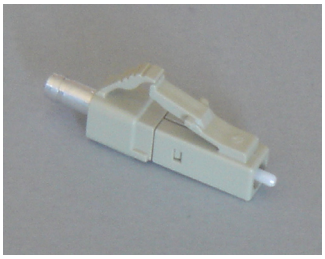
PERMORMANCE

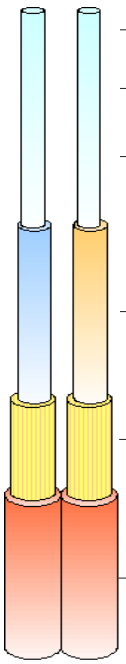
Attenuation	: <0,25 dB
Return loss	: >35 dB
Temperature range	: -5° C to +60° C
Color of sheath	: orange
	other colors on request
Fiber version	: semi-tight buffer;
	tight buffered on request
Color of boot	: black & red
	other colors on request
Packaging	: 1 pcs./unit
	other packaging on request

TECHNICAL SPECIFICATION



LC	TYPE	LC
ZrO_2 (Zirconia/Ceramic)	MATERIAL OF FERRULE	ZrO_2 (Zirconia/Ceramic)
convex	CONNECTOR SURFACE	convex
glue	CONNECTION OF FIBER	glue
plastic compound	MATERIAL OF BODY	plastic compound
push-pull	CONNECTION AT ADAPTER	push-pull
>1000	MATING CYCLES	>1000
127 / 128 µm	FERRULE DRILLING	127 / 128 µm





OPTICAL FIBER
2G50/125µm

CLADDING
diameter: 125 ± 2µm

PRIMARY COATING
color: natural
diameter: 245 ± 10µm

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

STRENGTH MEMBERS
aramid yarns

COMMON OUTER SHEATH
dimension: 2,8mm *x* 5,6mm
color: orange
material: LSZH compound

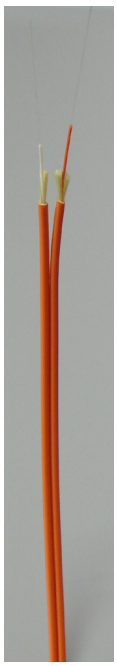
MECHANICAL PERFORMANCE FIBER

Weight	: 15,0kg/km
Temperature range	: -5°C to +70°C
Bending radius	: 40mm
Tensile strength	: 250N (long term) - 450N (short term)
Crush resistance	: 2000N/dm

OPTICAL PERFORMANCE FIBER

Item		50/125
CORE DIAMETER	µm	50 ± 2,5
CLADDING DIAMETER	µm	125 ± 2
CLADDING NON-CIRCULARITY	%	≤1,0
CORE/CLADDING CONCENTRICITY	µm	≤ 6,0
TYP. ATTENUATION @ 850nm	dB/km	2,7
TYP. ATTENUATION @ 1300nm	dB/km	0,8
BANDWITH @ 850nm	MHz * km	≥ 600
BANDWITH @ 1300nm	MHz * km	≥ 800
LINK LENGTH 1000BaseSX	m	2 - 600
LINK LENGTH 1000BaseLX	m	2 - 800
LINK LENGTH 10GBase SR	m	2 - 82
LINK LENGTH 10GBase X4	m	2 - 300
FOR ENTIRE FIBER SPECS REFER TO		LL-F-006-50

— On request, fibers featuring other than the above staed specifications can be quoted —



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