Fiber Optic Patchcords

LL-PTDX-SCLC-50

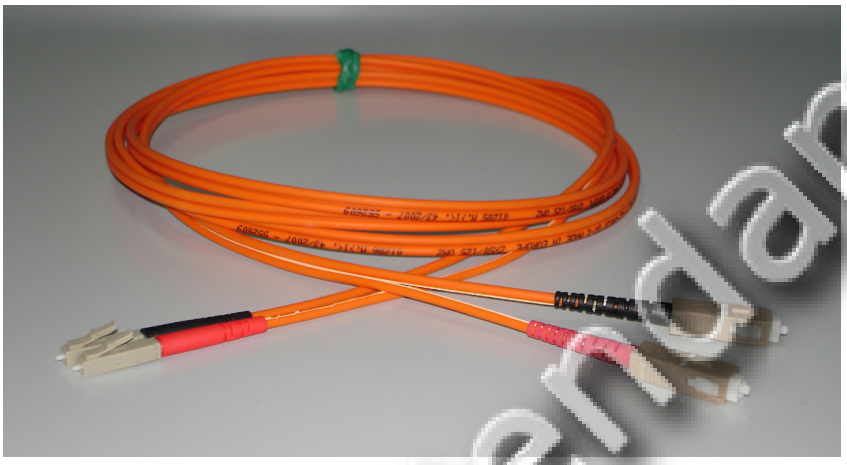
— Patchcord duplex SC-LC, 50/125µm, LSOH —

Connectors : SC & LC – plastic body, ceramic ferrule (ZrO_2)

Cable *: Zipcord – multimode 50/125, LSOH sheath*

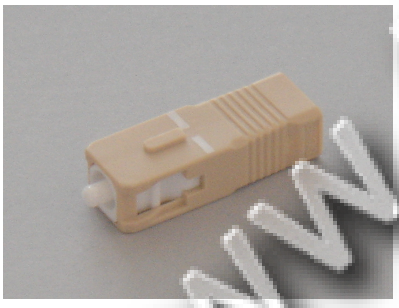
STANDARD COMPLIANCE

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 61754-2, IEC 60874-10, IEC 60874-14, IEC 61754-20, EIA/TIA 604-10, ANSI/ICEA-596, IEC 60793, IEC 60794, EIA/TIA IEC 60331, IEC 60332, ITU-T G.651, Bellcore/Telcordia GR-409-CORE. All components are RoHS compliant and do not and will not contain any restricted hazardous substances as detailed in RoHS 2002/95/EC.



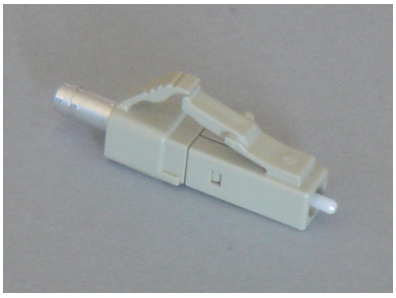
PERFORMANCE

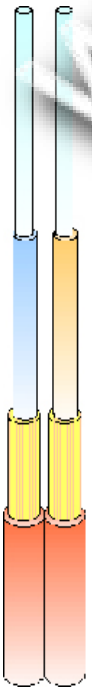
Attenuation	: <0.25 dB
Return loss	: >25 dB
Temperature range	: -5° C to 60° C
Color of sheath	: orange
	(other colors on request)
Fiber	: semi-tight buffer
	(tight buffered on request)
Color of boot	: black & red
	(other colors on request)
Packaging	: 1 pc./unit
	(other packaging on request)



TECHNICAL PERFORMANCE

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





OPTICAL FIBER
50/125µm

CLADDING
diameter: 125 ± 2.0µm

PRIMARY COATING
color: natural
diameter: 245 ± 10.0µm

SECONDARY COATING
color: yellow/white or
orange/white
diameter: 900µm
semi-tight buffered version

STRENGTH MEMBERS
aramid yarns

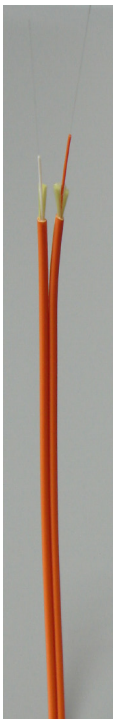
OUTER SHEATH
color: orange
dimensions: 2.8 x 5.9mm
LSOH compound

MECHANICAL PERFORMANCE CABLE

Weight	: 8.0kg/km
Temperature range	: inst.: -5°C to 50°C / oper.: 20°C to 60°C
Bending radius	: 20 x OD
Tensile strength	: 200N *(during installation)*
Crush resistance	: 1000N/dm
Fire load	: 0.2MJ/m

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 @ 850m	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
BANDWITH @ 850nm	MHz × km	≤ 500
BANDWITH @ 1300nm	MHz × km	≤ 800
FOR ENTIRE FIBER SPECS REFER TO		LL-F-006-50



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