

FIBER-OPTIC PATCH-CORDS, SINGLEMODE DUPLEX

Datasheet



Patch-cord SM DX LCPC-LCPC

Scope of supply:

- Patch-Cord
- Test report printed on P/N Label

1 pc

TECHNICAL DATA

Duplex Cable

Criteria		Value	Standard
Cable Ø [mm]		2.0 (± 0.1)	
Material		LSZH	
Secondary coating	Diameter [µm] Material	900 (± 5%) LSZH	
Nominal weight [kg/km]		3.7	
Temperature range [°C]	Storage Installation Operation	-25 up to +60 -10 up to + 50 -20 up to + 60	IEC 61300-2-22
Maximum tensile strength [mm]	Installation Operation	200 100	IEC 60794-1-2 E1
Minimum bending radius [mm]	Installation Operation	50 25	IEC 60794-1-2 E11
Compressive strength [N/10cm]	Short term Permanent	250 100	IEC 60794-1-2 E13
Heat of combustion [MJ/m]		0.08	

Fiber types available

Description	ISO/IEC 11801	IEC 60793-2-50/10	ITU-T
Singlemode SM (PC and APC polishing)	OS 2		G.652.D

Optical properties (as per IEC 61753-1)

Description		Grade B/2	Grade C/2	Grade D/3
Insertion loss IL [dB]	97%	≤ 0.25	≤ 0.50	≤ 1.00
	Typical value	≤ 0.12	≤ 0.25	≤ 0.50
Return loss RL [dB]	97%	≥ 45	≥ 45	≥ 35
	Typical value	≥ 55	≥ 55	≥ 45

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Mechanical properties

Criteria		Value	Standard
Mating durability [times]		500x (minimum)	IEC 61300-2-2
Retention [N / s]	Cable Pigtail	100 / 120 5 / 60	IEC 61300-2-4
Vibration		10-55Hz, 1 octave / min. 3 axis of 15 cycles, 0.5h / axis amplitude 0.75 mm	IEC 61300-2-1
Repeated bending [100 Cycles]	Cable Pigtail	Load 5N (-90° / 0° / +90° / 0°C Load 0.2N (-90° / 0° / +90° / 0°C)	IEC 61300-2-44
Static side load [N / min]	Cable Pigtail	1 / 60 0.2 / 5	IEC 61300-2-42
Drop [m]		1.5 (5 times)	IEC 61300-2-12

Part Numbers P/N

P/N	Description	P/N	Description
R198103	PC-DX-SM-LCPC-LCPC-2MM-1.0MTR		
R198235	PC-DX-SM-LCPC-LCPC-2MM-2.0MTR		
R198236	PC-DX-SM-LCPC-LCPC-2MM-3.0MTR		
R198241	PC-DX-SM-LCPC-LCPC-2MM-5.0MTR		
R198002	PC-DX-SM-LCPC-LCPC-2MM-10.0MTR		
R198018	PC-DX-SM-LCPC-LCPC-2MM-15.0MTR		
R198122	PC-DX-SM-LCPC-LCPC-2MM-20.0MTR		
R198240	PC-DX-SM-LCPC-LCPC-2MM-25.0MTR		