

# FIBER-OPTIC PATCH-CORDS SM DX

## Datasheet



### Patch-cord SM DX SC PC-SC PC

#### 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	EIA/TIA
Singlemode SM (PC and APC polishing)	OS 2	B1.3	G.652.D	492CAAB
	---	B6_a1	G.657.A1	---
	---	B6_a2	G.657.A2	---
	---	B6_b2	G.657.B2	---
	---	B6_b3	G.657.B3	---

#### 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
R198023	PC-DX-SC PC-SC PC-2MM-SM-1.0M		
R198367	PC-DX-SC PC-SC PC-2MM-SM-2.0M		
R198114	PC-DX-SC PC-SC PC-2MM-SM-3.0M		
R198291	PC-DX-SC PC-SC PC-2MM-SM-5.0M		
R198372	PC-DX-SC PC-SC PC-2MM-SM-10.0M		