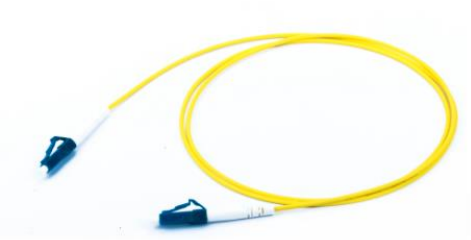
FIBER-OPTIC PATCH-CORDS, SINGLEMODE SIMPLEX
Datasheet



Patch-cord SM SX LCPC-LCPC

Scope of supply:

- Patch-Cord in transparent ZIP bag 1 pc
- Test report printed on P/N Label

PRODUCT DESCRIPTION

High quality interconnectivity components are the key for powerful fiber optic networks. R&M offers a complete range of pre-terminated fiber patch cords in a variety of cable and connector configurations. The cable is fully compatible with all standard cable management accessories and requires no special tools or expertise to install. Our patch-cords are available in Single mode fiber (G652D, G657A1, G657A2 & G657B2) as well as in Multi-Mode fiber (OM1, OM2, OM3 & OM4) on different cable types. All our patch-cords are assembled as per ISO/IEC 61753-1 and ensure highest quality and reliability.

TECHNICAL DATA

Simplex Cable

Criteria		Value		Standard
Cable ø [mm]		2.0 (± 0.1)	3.0 (± 0.15)	
Material		LSZH	LSZH	
Secondary coating	Diameter [µm] Material	900 (± 5%) LSZH		
Nominal weight [kg/km]		3.7	8.0	
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	200 100	IEC 60794-1-2 E1
Minimum bending radius [mm]	Installation Operation	50 25	50 30	IEC 60794-1-2 E11
Compressive strength [N/10cm]	Short term Permanent	250 100	500 100	IEC 60794-1-2 E13
Heat of combustion [MJ/m]		0.08	0.18	

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	Value
Insertion loss IL [dB]	≤ 0.25
Return loss RL [dB]	≥ 55

Mechanical properties

Criteria		Value	Standard
Mating durability [times]		1000	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
R222845	LCPC-LCPC OS2 SM SX G657A1 2mm PC - 1M	R223356	LCPC-LCPC OS2 SM SX G657A1 2mm-PC-5M
R223355	LCPC-LCPC OS2 SM SX G657A1 2mm PC-2M	R223277	LCPC-LCPC OS2 SM SX G657A1 2mm - PC- 10M
R223200	LCPC-LCPC OS2 SM SX G657A1 2mm PC- 3M		