

FIBER-OPTIC PATCH-CORDS MM OM3 DX

Datasheet



Patch-cord MM OM3 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 \varnothing [mm] | | 2.0 (\pm 0.1) | |
| Material | | LSZH | |
| Secondary coating | Diameter [μ m] Material | 900 (\pm 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 EIA/TIA | IEC 60793-2-10 |
|---|--------------------------|----------------|
| Multimode (as per standard ITU-T G.651) | OM1 | A1a.1 |
| | OM2 | A1a.1 |
| | OM3 | A1a.2 |
| | OM4 | A1a.3 |
| | OM5 | A1a.4 |

Optical properties (as per IEC 61753-1)

| Description | | Grade B/2 | Grade C/2 | Grade D/3 |
|------------------------|---------------|-------------|-------------|-------------|
| Insertion loss IL [dB] | 97% | \leq 0.35 | \leq 0.50 | \leq 1.00 |
| | Typical value | \leq 0.12 | \leq 0.25 | \leq 0.50 |
| Return loss RL [dB] | 97% | \geq 45 | \geq 45 | \geq 35 |
| | Typical value | \geq 55 | \geq 55 | \geq 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 |
|---------|--------------------------------|-----|-------------|
| R222181 | PC-DX-LCPC-LCPC-2MM-OM3-1.0M | | |
| R222136 | PC-DX-LCPC-LCPC-2MM-OM3-2.0M | | |
| R222111 | PC-DX-LCPC-LCPC-2MM-OM3-3.0M | | |
| R222163 | PC-DX-LCPC-LCPC-2MM-OM3-5.0M | | |
| R222123 | PC-DX-LCPC-LCPC-2MM-OM3-10.0M | | |
| R222155 | PC-DX-LCPC-LCPC-2MM-OM3-15.0M | | |
| R222154 | PC-DX-LCPC-LCPC-2MM-OM3-20.0M | | |
| R223335 | PC-DX-LCPC-LCPC-2MM-OM3-120.0M | | |