# FIBER-OPTIC PATCH-CORDS, SINGLEMODE DUPLEX
Datasheet



**Patch-cord SM DX LCPC-LCPC**

**Scope of supply:**

- Patch-Cord 1 pc
- Test report printed on P/N Label

## TECHNICAL DATA

### Duplex Cable

| Criteria | | Value | Standard |
|---|---|---|---|
| Cable ø [mm] | | 2.0 (± 0.1) | |
| Material | | LSZH | |
| Secondary coating | Diameter [µm]<br>Material | 900 (± 5%)<br>LSZH | |
| Nominal weight [kg/km] | | 3.7 | |
| Temperature range [°C] | Storage<br>Installation<br>Operation | -25 up to +60<br>-10 up to + 50<br>-20 up to + 60 | IEC 61300-2-22 |
| Maximum tensile strength [mm] | Installation<br>Operation | 200<br>100 | IEC 60794-1-2 E1 |
| Minimum bending radius [mm] | Installation<br>Operation | 50<br>25 | IEC 60794-1-2 E11 |
| Compressive strength [N/10cm] | Short term<br>Permanent | 250<br>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%<br>Typical value | ≤ 0.25<br>≤ 0.12 | ≤ 0.50<br>≤ 0.25 | ≤ 1.00<br>≤ 0.50 |
| Return loss RL [dB] | 97%<br>Typical value | ≥ 45<br>≥ 55 | ≥ 45<br>≥ 55 | ≥ 35<br>≥ 45 |

## Mechanical properties

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

## Part Numbers P/N

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