

FIBER-OPTIC PIGTAIL, SINGLEMODE SIMPLEX

Datasheet



Pigtail SX SM SCPC-SCPC

Scope of supply:

- Pigtail
- Test report printed on P/N Label

1 pc

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] | | 2.2 | 5.5 | |
| 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 | | 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 |

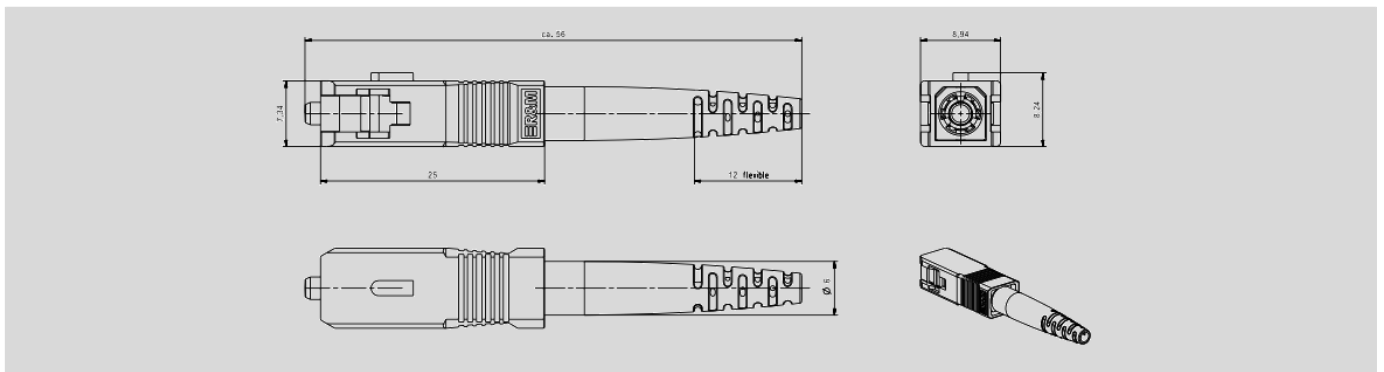
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Mechanical properties

| 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 |

Drawings



Part Numbers P/N

| P/N | Description | P/N | Description |
|---------|----------------------------------|-----|-------------|
| R198035 | PC-SX-SCPC-SCPC-C/2-2SM-OS2-1.5M | | |