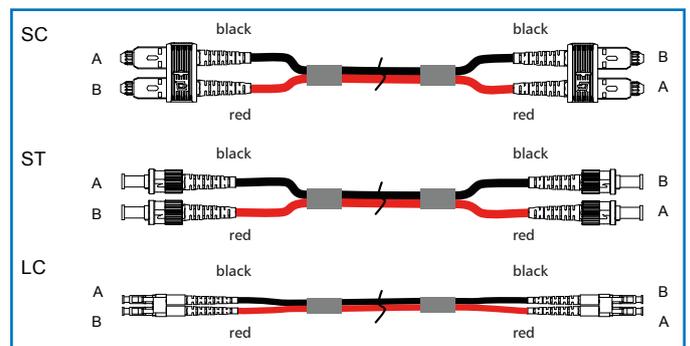
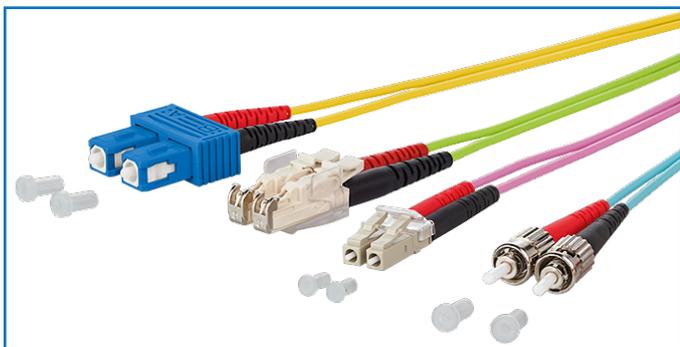




Product information

OpDAT patch cords

Illustrations



Our standard: logically crossed duplex cords (A → B)

Product description

- Patch cords with all variants of connector types LC, SC, ST and E2000.
- Fiber types: OM2, OM3, OM4, OM5, OS2. All fibers are bend insensitive.
- Cable types:
 - Duplex patch cords („figure 8“) with two tight buffers and Aramid as strain relief
 - Duplex connection cable („figure 0“) with two tight buffers in an additional outer jacket and Aramid as strain relief
 - Simplex patch cords (only for SM) with one tight buffer and Aramid as strain relief
- Duplex patch cords are logically crossed as a standard (A->B, B->A), logically uncrossed patch cords available on request.
- SC and LC connectors of duplex patch cords are always connected by duplex clips, E2000 and ST are supplied without clips.
- Available in lengths between 0.5 to 20 m. The use of duplex connection cables is recommended for lengths of more than 20 m because of the higher mechanical strength.
- Low smoke, halogen free, flame retardant cable jacket (LSHF-FR)
- Single mode patch cords are tested by 100 % on insertion loss and return loss at 1310 and 1550 nm. An interferometer measurement is done in addition.
- Multi mode patch cords are tested by 100 % on insertion loss at 850 and 1300 nm.
- The measurement is followed by a final visual control of the connectors according to IEC 61300-3-35.
- All patch cords are provided with a serial number and a bar code. This allows traceability and measured values can be made available at any time.

Product information OpDAT patch cords

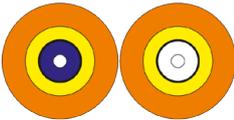
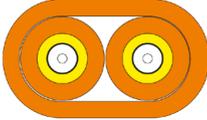
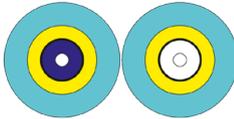
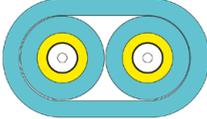
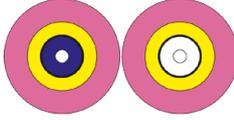
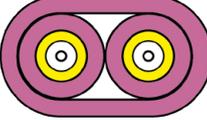
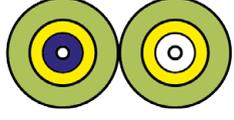
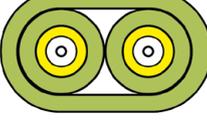
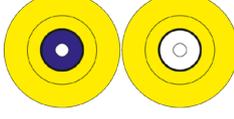
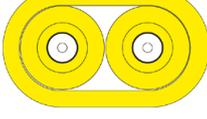
| Optical characteristics | | | SC | LC | ST | E2000 |
|-------------------------|------------------|---------------|---------|---------|---------|---------|
| Insertion loss | MM ¹⁾ | max. | 0.4 dB | 0.4 dB | 0.4 dB | 0.4 dB |
| | | typical | 0.2 dB | 0.2 dB | 0.2 dB | 0.2 dB |
| | SM ²⁾ | max. | 0.3 dB | 0.3 dB | 0.4 dB | 0.3 dB |
| | | typical | 0.15 dB | 0.15 dB | 0.2 dB | 0.15 dB |
| Return loss | MM | PC polishing | > 35 dB | > 35 dB | > 35 dB | > 35 dB |
| | SM | UPC polishing | > 50 dB | > 50 dB | > 50 dB | > 50 dB |
| | | APC polishing | > 65 dB | > 65 dB | - | > 65 dB |

¹⁾ according to IEC 61300-3-4, method C that means the measured value is valid for the complete patch cord

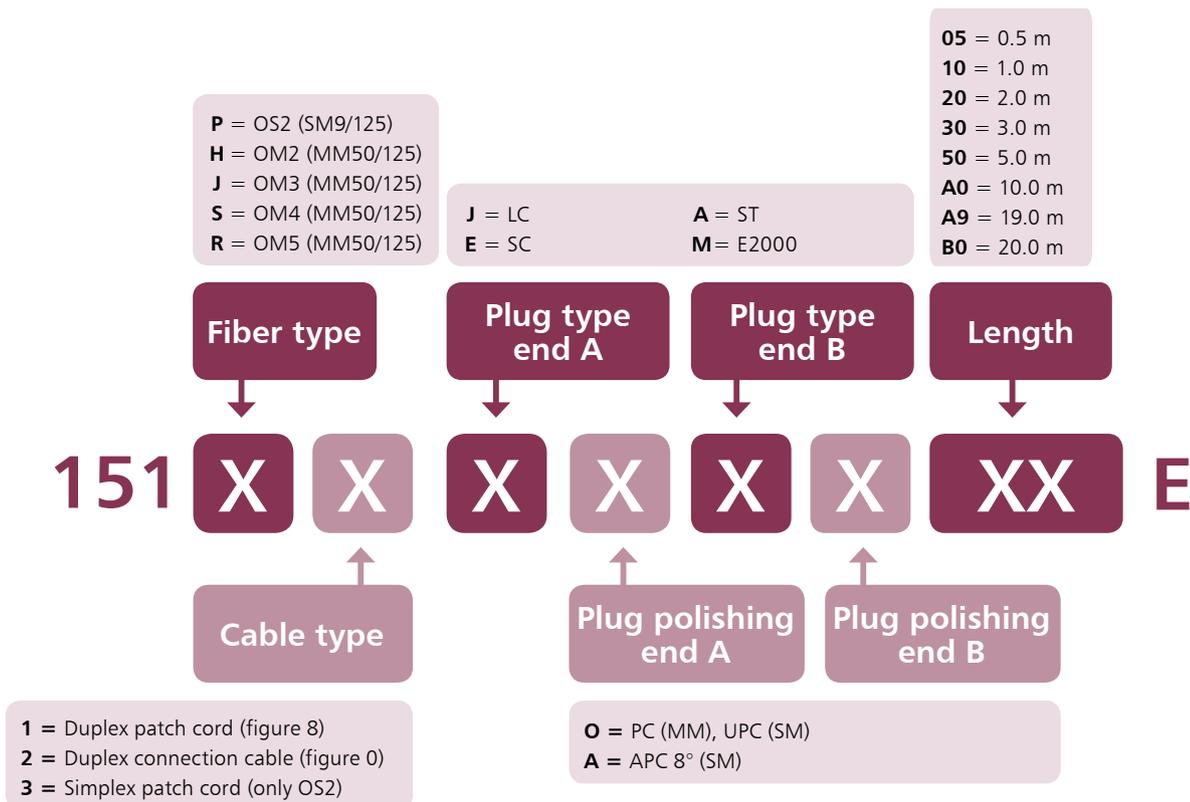
²⁾ according to IEC 61300-3-4, method B that means the measured value is valid for the respective plug

| Mechanical characteristics | | SC | LC | ST | E2000 | |
|----------------------------|----------|---------------|----------|---------|----------|-------|
| With fiber type | OM2 | x | x | x | - | |
| | OM3, OM4 | x | x | x | x | |
| | OM5 | x | x | - | x | |
| | OS2 | x | x | x | x | |
| Standard | IEC | 61754-4 | 61754-20 | 61754-2 | 61754-15 | |
| | TIA/EIA | 604-3 | 604-10-A | 604-2 | 604-16 | |
| Ceramic ferrule | Diameter | 2.5 mm | 1.25 mm | 2.5 mm | 2.5 mm | |
| Connector color | MM | PC polishing | beige | beige | metal | beige |
| | | UPC polishing | blue | blue | metal | blue |
| | SM | APC polishing | green | green | - | green |
| Tensile strength | min. | 70 N | 70 N | 70 N | 70 N | |
| Mating cycles | min. | 1000 | 1000 | 1000 | 1000 | |

| Fiber type | | Multi mode | | | | Single mode |
|-----------------------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------------|
| Standard | IEC 11801 | OM2 | OM3 | OM4 | OM5 | OS2 |
| | IEC | 60793-2-10 A1a.1 | 60793-2-10 A1a.2 | 60793-2-10 A1a.3 | 60793-2-10 A1a.4 | 60793-2-50 B6_a / B6_b |
| | ITU-T | G.651.1 | G.651.1 | G.651.1 | G.651.1 | G.657.A2/B2 |
| Fiber structure | | 50/125 μm | 50/125 μm | 50/125 μm | 50/125 μm | 9/125 μm |
| Color of cable jacket | | orange | aqua | violet | lime green | yellow |

| Cable type | | Duplex patch cord | Duplex connection cable | Simplex patch cord |
|------------------------------------|-----|---|--|---|
| Cross section and color | OM2 |  |  | - |
| | OM3 |  |  | - |
| | OM4 |  |  | - |
| | OM5 |  |  | - |
| | OS2 |  |  |  |
| Cable type | | I-V(ZN) H 2 | I-V(ZN) HH 2 | I-V(ZN) H 1 |
| Outer diameter | | 2.0 x 4.2 mm | 3.0 x 5.0 mm | 2.0 mm |
| Cable weight | | 8.0 kg/km | 18 kg/km | 4.5 kg/km |
| Min. bending radius (installation) | | 15 mm | 15 mm | 15 mm |
| Fire behavior | | Flame retardance according to IEC 60332-1-2 Halogene free according to IEC 60754-2 Smoke density according to IEC 61034-2 | | |

Order information



Please note:

These patch cords will be manufactured according to your specifications. They can therefore neither be exchanged nor returned. Technically, it is not possible to produce all possible combinations.

Just use our cable configurator available on our web site at www.metz-connect.com/en/cable-configurator.

There you can find all variants available.

