

# P | Cabling

## Data sheet

### OpDAT patch cord SC-D/2xST OM3

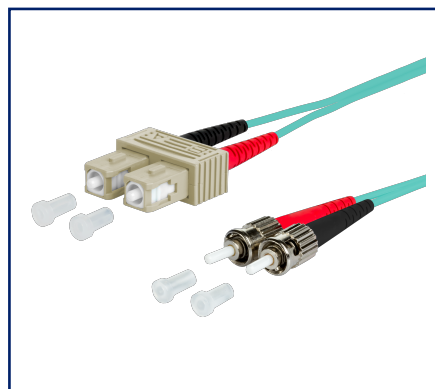
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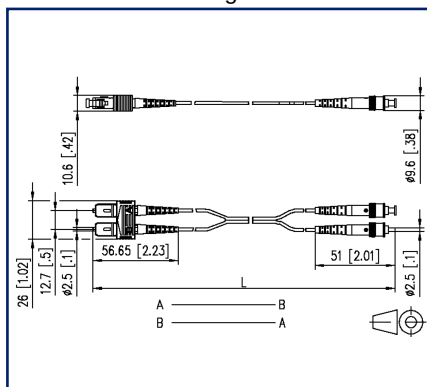
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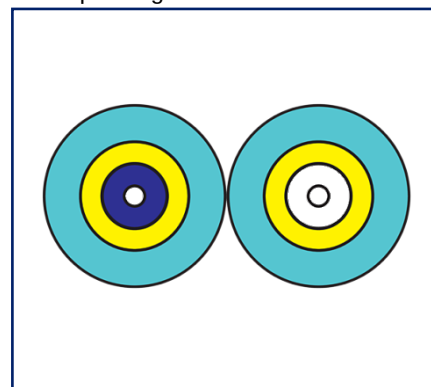
## Illustrations



Dimensional drawing



Principle diagram



See enlarged drawings at the end of document

## Product specification

- multi mode patch cord I-V(ZN)H 50/125 OM3
- laser-optimized, bending-resistant Multi mode fiber OM3, G50/125  $\mu\text{m}$  according to IEC 60793-2-10 type A1a.2
- outer diameter 2.0 x 4.2 mm
- halogen-free LSHF-FR sheath with low smoke development, flame retardant
- duplex cord as zipcord (figure 8) with two tight buffered cables and aramide strain relief
- 100 % tested
- maximum length: 20 m
- all available variants can be created with the cable configurator



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### Technical Data

#### General Data

|                                               |                                   |
|-----------------------------------------------|-----------------------------------|
| Fields of application                         | office areas<br>data center       |
| Mechanical measurement according to MICE      | M1                                |
| Ingress measurement according to MICE         | I1                                |
| Climatic measurement according to MICE        | C1                                |
| Electromagnetic measurement according to MICE | E3                                |
| Design                                        | patch cord                        |
| Transmission technology                       | Fiber optic                       |
| Wiring                                        | crossed                           |
| Color                                         | aqua                              |
| Dimensions                                    |                                   |
| Dimension - Interface 1 (L x W x H)           | 56.65 mm x 26 mm x 10.6 mm        |
| Dimension - Interface 1 (L x W x H)           | 2.23 in. x 1.024 in. x 0.417 in.  |
| Dimension - Interface 2 (L x W x H)           | 51 mm x 9.6 mm x 9.6 mm           |
| Dimension - Interface 2 (L x W x H)           | 2.008 in. x 0.378 in. x 0.378 in. |
| Mode type of the fiber                        | Multimode                         |
| Fiber class                                   | OM3                               |
| Cable Type                                    | Duplex cable                      |
| Number of cables/ buffered fibers             | 2                                 |
| Fiber construction                            | 50/125 µm                         |
| Weight                                        | 8 kg/km                           |

#### Connections/interfaces

|                                  |           |
|----------------------------------|-----------|
| Connector technology interface 1 | SC-D      |
| Connector technology interface 2 | ST        |
| Ferrule diameter                 | 2.5 mm    |
| Ferrule diameter                 | 0.098 in. |

#### Optical characteristics

|                |             |
|----------------|-------------|
| Insertion loss | max. 0,4 dB |
| Return loss    | min. 35 dB  |



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### Technical Data

#### Mechanical data

|                           |                |
|---------------------------|----------------|
| strain relief             | aramide fibres |
| Maximum installation load | 15 mm          |
| Maximum installation load | 0.591 in.      |

#### Materials and material properties

|                    |           |
|--------------------|-----------|
| Bend insensitivity | yes       |
| Flame retardancy   | yes       |
| Halogen free       | yes       |
| RoHS               | compliant |

#### Environmental conditions

|                               |                |
|-------------------------------|----------------|
| Temperature (min. - max.)     |                |
| Temperature - Storage °C      | -10 °C - 60 °C |
| Temperature - Storage °F      | 14 °F - 140 °F |
| Temperature - Operating °C    | -10 °C - 60 °C |
| Temperature - Operating °F    | 14 °F - 140 °F |
| Temperature - Installation °C | -10 °C - 60 °C |
| Temperature - Installation °F | 14 °F - 140 °F |

#### Standards/Regulations

|                                                                              |                            |
|------------------------------------------------------------------------------|----------------------------|
| Generic cabling systems                                                      |                            |
| General requirements                                                         | ISO/IEC 11801              |
| Fibre optic connector interfaces                                             | IEC 61754-4 / IEC 61754-2  |
| Optical fibers: Product specifications                                       |                            |
| Sectional specification for category A1 multimode fibres                     | ISO/IEC 60793-2-10 (A1a.2) |
| Test on gases evolved during combustion of materials from cables             |                            |
| Determination of acidity (by measuring the pH value) and conductivity        | IEC 60754-2                |
| Tests on electric and optical fibre cables under fire conditions             |                            |
| Test for vertical flame propagation for a single insulated wire or cable     | IEC 60332-1                |
| Test for vertical flame spread of vertically-mounted bunched wires or cables | ISO/IEC 60332-3-24         |
| Measurement of smoke density of cables burning                               | ISO/IEC 61034              |
| ITU-T standard                                                               | G.651.1                    |



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### Classifications

|          |          |
|----------|----------|
| ETIM 6.0 | EC001263 |
| ETIM 7.0 | EC001263 |
| ETIM 8.0 | EC001263 |

### Packing details

|                   |                       |
|-------------------|-----------------------|
| Type of packaging | 1 pc(s) / plastic bag |
|-------------------|-----------------------|



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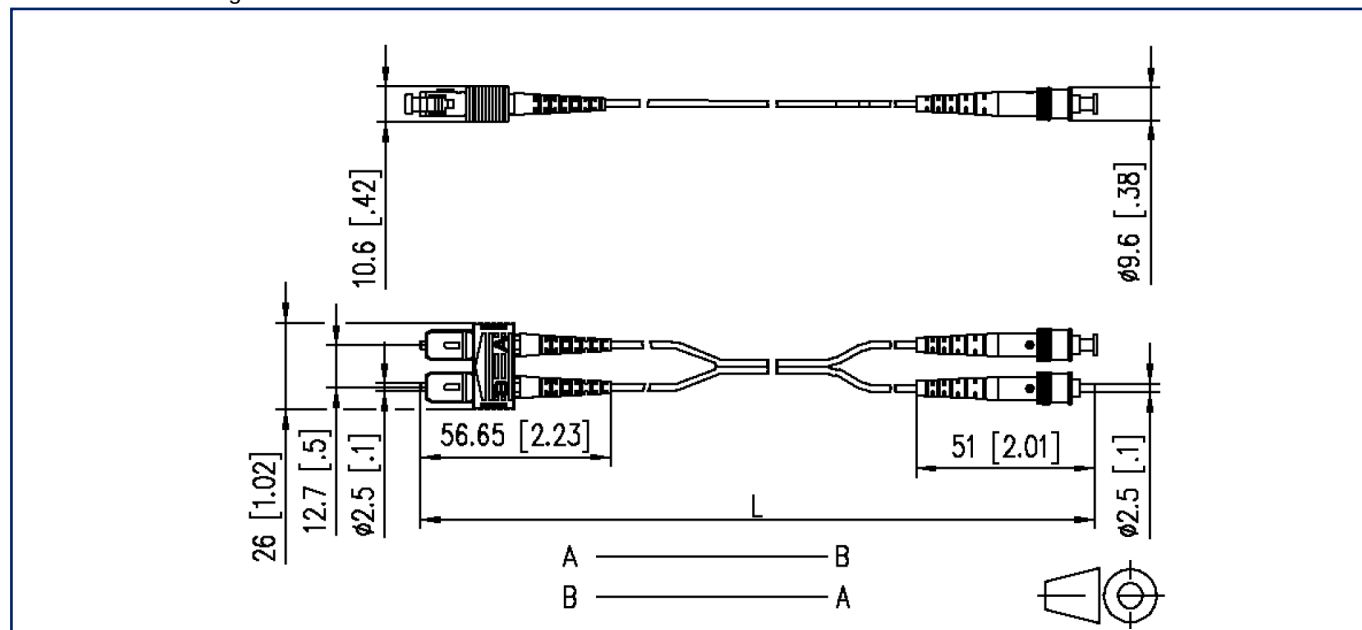
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