

# P | Cabling

## Data sheet

### OpDAT patch cord LC-D/LC-D OM3

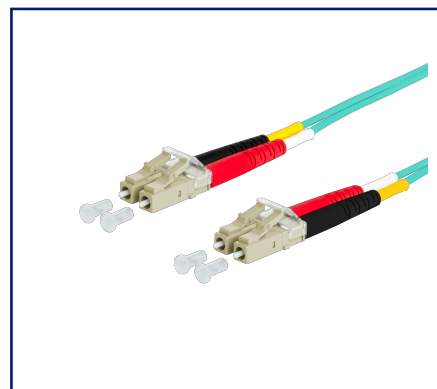
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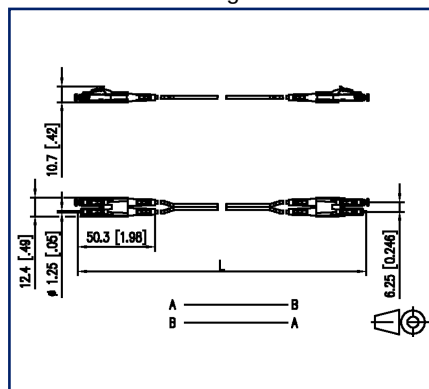
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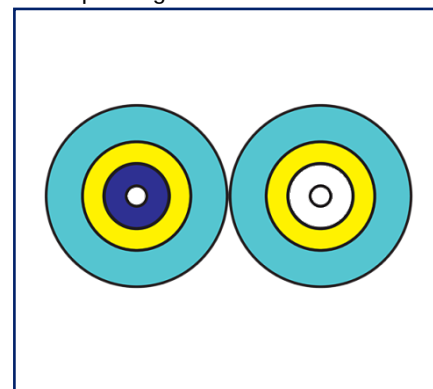
## Illustrations



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)           | 50.3 mm x 12.4 mm x 10.7 mm      |
| Dimension - Interface 1 (L x W x H)           | 1.98 in. x 0.488 in. x 0.421 in. |
| Dimension - Interface 2 (L x W x H)           | 50.3 mm x 12.4 mm x 10.7 mm      |
| Dimension - Interface 2 (L x W x H)           | 1.98 in. x 0.488 in. x 0.421 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 | LC-D      |
| Connector technology interface 2 | LC-D      |
| Ferrule diameter                 | 1.25 mm   |
| Ferrule diameter                 | 0.049 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 61754-20                  |
| Optical fibers: Product specifications                                                             |                               |
| Sectional specification for category A1 multimode fibres                                           | ISO/IEC 60793-2-10 (A1a.2)    |
| Optical fibers - Interconnecting devices and passive components - basic test and measuring methods |                               |
| Fibre optic interconnecting devices and passive components                                         | IEC 61300-3-4   IEC 61300-3-6 |
| Test on gases evolved during combustion of materials from cables                                   |                               |
| Determination of acidity (by measuring the pH value) and conductivity                              | IEC 60754-2                   |



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## Technical Data

### Standards/Regulations

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            |

### 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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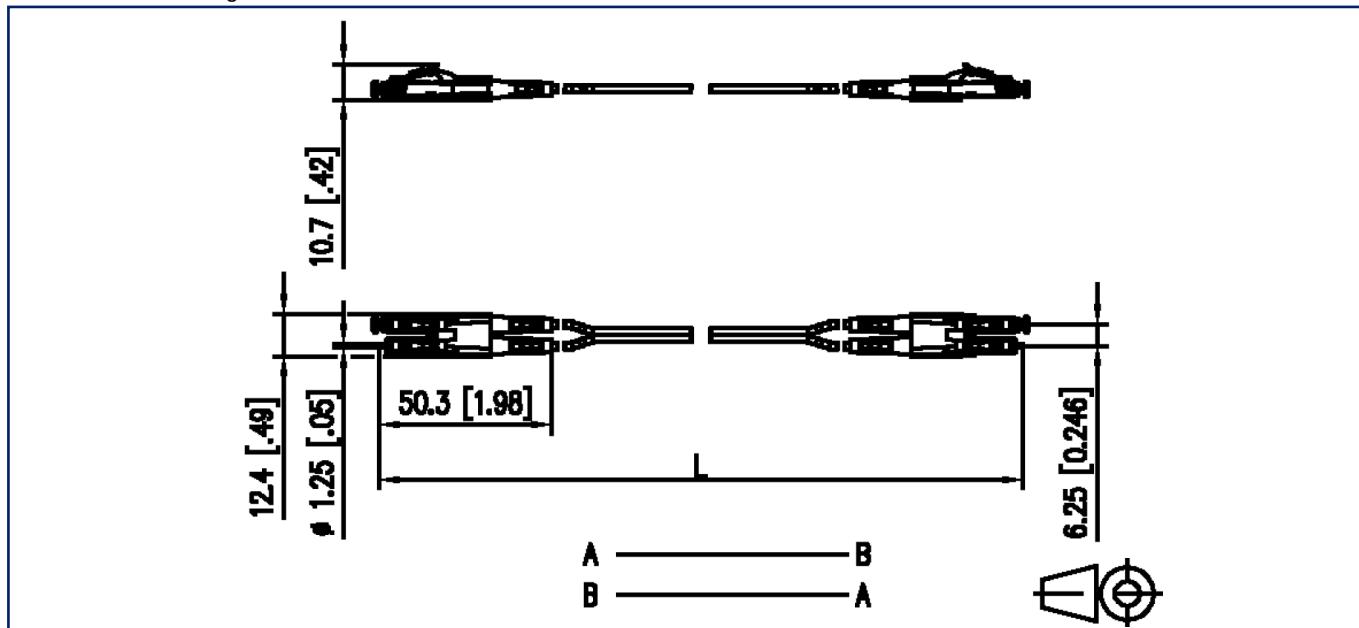
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