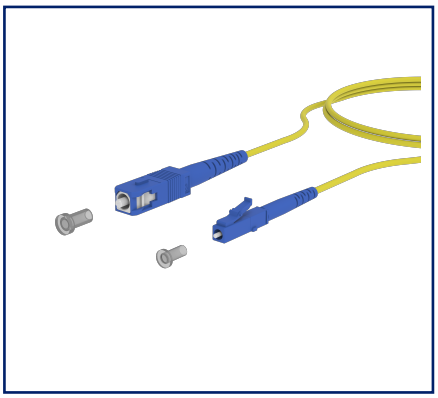
# Data sheet
## OpDAT patch cord SC-S/LC-S OS2



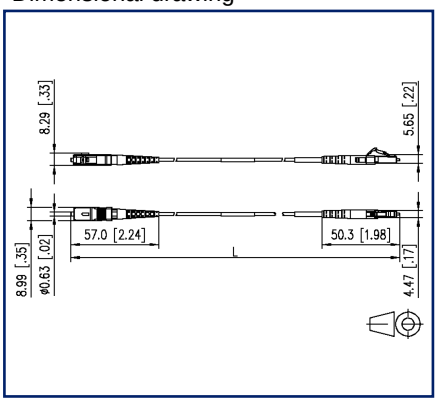
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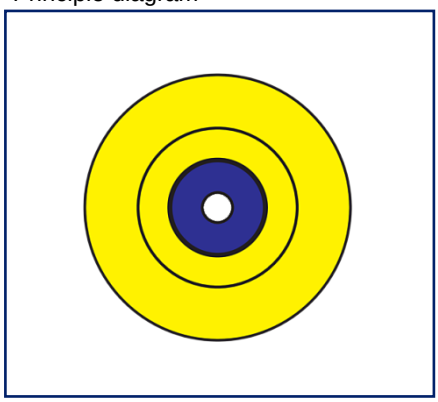
## Illustrations



Dimensional drawing




Principle diagram



See enlarged drawings at the end of document

## Product specification

- single mode patch cord I-V(ZN)H1 E9/125 OS2
- single mode fiber OS2, E9/125 µm, bend insensitive according to IEC 60793-2-50 type B6_a and B6_b and G.657.A2 and B2, compatible to G.652.D
- outer diameter 2.0 mm
- cable color: yellow
- jacket material LSHF-FR halogen-free with low smoke development, flame retardant
- 100 % tested for insertion loss and return loss
- all patch cords are provided with a serial number
- all available variants can be created with the cable configurator

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# OpDAT patch cord SC-S/LC-S OS2

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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 |
| Color | yellow |
| Mode type of the fiber | Singlemode |
| Fiber class | OS2 |
| Cable Type | Simplex cable |
| Number of cables/ buffered fibers | 1 |
| Shape | UPC (Ultra Physical Contact) |
| Fiber construction | 9/125 µm |
| Weight | 4.5 kg/km |

| Connections/interfaces | |
|---|---|
| Connector technology interface 1 | SC |
| Connector technology interface 2 | LC |
| Cable sheath diameter (min. - max.) | |
| Cable sheath diameter | 2.0 |
| Cable sheath diameter | 0.079 |

| Optical characteristics | |
|---|---|
| Insertion loss | max. 0,3 dB |
| Return loss | min. 50 dB |

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# OpDAT patch cord SC-S/LC-S OS2

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## Technical Data

| | |
|---|---|
| **Mechanical data** | |
| Life - Number of mating cycles | min. 1000 |
| Permanent tensile strength | 70 N |
| 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 61754-20 |
| Optical fibers: Indoor optical cables | |
| Sectional specification for classÂ B single-mode fibres | ISO/IEC 60793-2-50 type B6_a/B6_b |
| Optical fibers - Interconnecting devices and passive components - basic test and measuring methods | |
| Fibre optic interconnecting devices and passive components - Visual inspection of plug end face | IEC 61300-3-4 \| IEC 61300-3-6 |

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# OpDAT patch cord SC-S/LC-S OS2

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## Technical Data

### Standards/Regulations

| | |
|---|---|
| Test on gases evolved during combustion of materials from cables | |
| Determination of the halogen acid gas content | IEC 60754-1 |
| 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 | ISO/IEC 60332-1-2 |
| 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 | ITU-T G.657.A2 and G.657.B2, compatible with ITU-T G.652.D |

### Classifications

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

### Packing details

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

### Application note

This product is a standard product of METZ CONNECT. METZ CONNECT is not aware of the specific intended use of the goods by the Customer or any customers of the Customer. The Customer guarantees that it has fully and sufficiently tested the use of the goods and any product modifications, product changes or product enhancements with regard to the specific intended use in accordance with the state of the art or in any other way.

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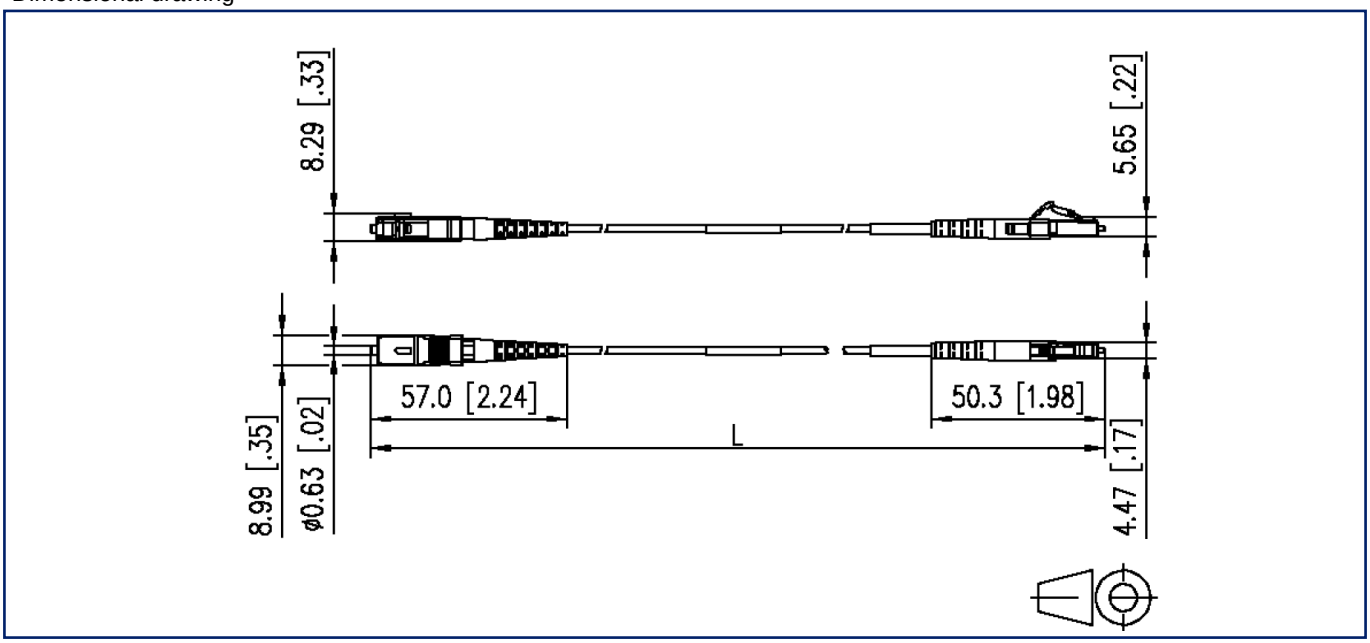
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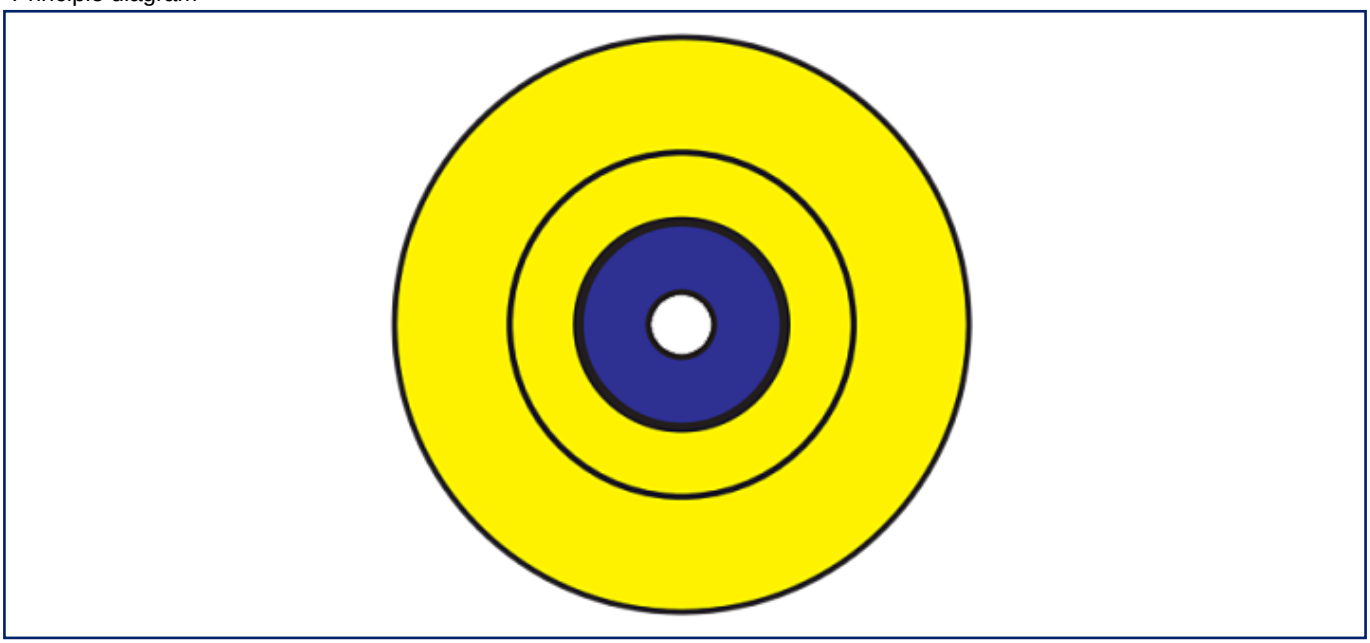
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## Illustrations

Dimensional drawing




Principle diagram



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