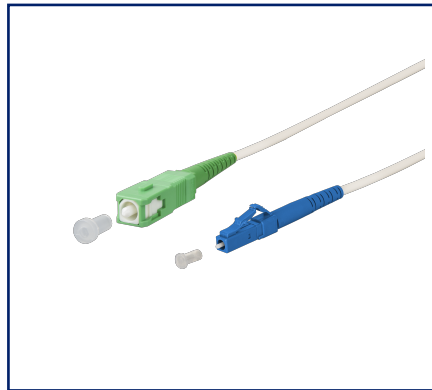


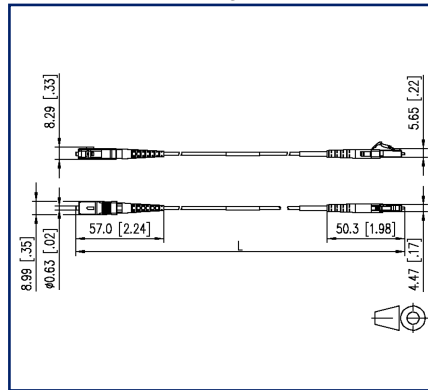
## Data sheet

### OpDAT patch cord SC-S APC/LC-S OS2, white

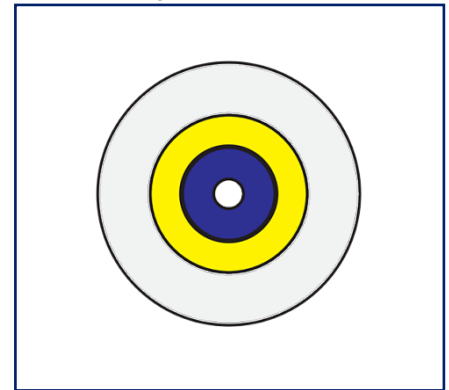
## Illustrations



Dimensional drawing



Principle diagram



See enlarged drawings at the end of document

## Product specification

- simplex patch cord I-V(ZN)H1 E9/125 OS2 to connect the fiber optic wall outlet and the terminal device in FITH applications
- single mode fiber OS2, E9/125  $\mu\text{m}$  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 2.8 mm
- color: white
- cable jacket 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

# P | Cabling

Data sheet

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## OpDAT patch cord SC-S APC/LC-S OS2, white

P/N  
151P7EAJ0XXE

2023/06/13

Version: G

### Technical Data

#### General Data

|   |  |
|---|--|
| Fields of application                         | office areas<br>interior<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   | white  |
| Mode type of the fiber                        | Singlemode   |
| Fiber class                                   | OS2  |
| Cable Type                                    | Simplex cable  |
| Number of cables/ buffered fibers             | 1  |
| Shape   | UPC (Ultra Physical Contact)/APC (Angled Physical Contact) |
| Fiber construction                            | 9/125 µm   |
| Weight  | 9 kg/km  |

#### Connections/interfaces

|                                     |        |
|-------------------------------------|--------|
| Connector technology interface 1    | SC APC |
| Connector technology interface 2    | LC UPC |
| Cable sheath diameter (min. - max.) |        |
| Cable sheath diameter               | 2.8    |
| Cable sheath diameter               | 0.079  |

#### Optical characteristics

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

# P | Cabling

Data sheet

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## OpDAT patch cord SC-S APC/LC-S OS2, white

P/N  
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2023/06/13

Version: G

### Technical Data

#### Mechanical data

|                           |           |
|---------------------------|-----------|
| Maximum installation load | 20 mm     |
| Maximum installation load | 0.787 in. |

#### Materials and material properties

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

#### Environmental conditions

|                            |                 |
|----------------------------|-----------------|
| Temperature (min. - max.)  |                 |
| Temperature - Storage °C   | -40 °C - 70 °C  |
| Temperature - Storage °F   | -40 °F - 158 °F |
| Temperature - Operating °C | -40 °C - 70 °C  |
| Temperature - Operating °F | -40 °F - 158 °F |

#### Standards/Regulations

|  |  |
|--|--|
| Fibre optic connector interfaces   | IEC 61754-4 / IEC 61754-20                                 |
| Optical fibers: Indoor optical cables  |  |
| Sectional specification for class 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   | IEC 61300-3-4   IEC 61300-3-6                              |
| Test on gases evolved during combustion of materials from cables                                   |  |
| Determination of the halogen acid gas content  | IEC 60754-1  |
| Tests on electric and optical fibre cables under fire conditions                                   |  |
| Test for vertical flame propagation for a single insulated wire or cable                           | IEC 60332-1-2  |
| Measurement of smoke density of cables burning   | ISO/IEC 61034-2  |
| ITU-T standard   | ITU-T G.657.A2 and G.657.B2, compatible with ITU-T G.652.D |

# P | Cabling

Data sheet

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**OpDAT patch cord SC-S APC/LC-S OS2, white**

**P/N  
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Version: G

## Technical Data

### Classifications

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

### Packing details

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

# P | Cabling

Data sheet

OpDAT patch cord SC-S APC/LC-S OS2, white

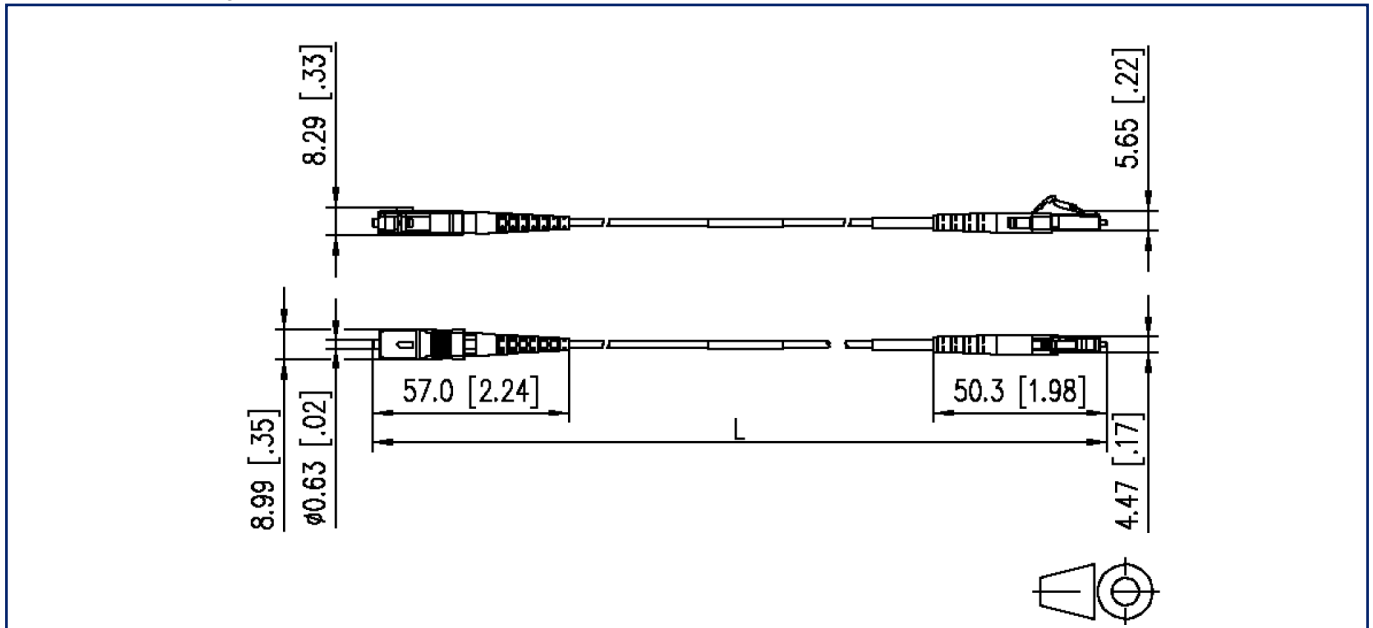
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Version: G

## Illustrations

Dimensional drawing



Principle diagram

