

## Data sheet

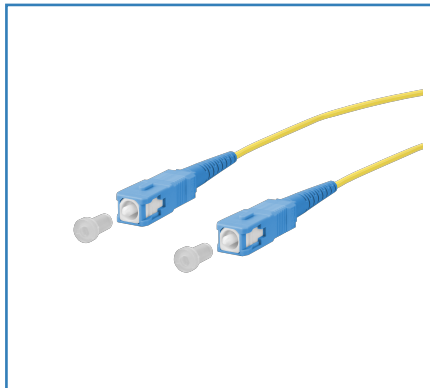
### OpDAT patch cord SC UPC/SC UPC OS2

Page 1/5

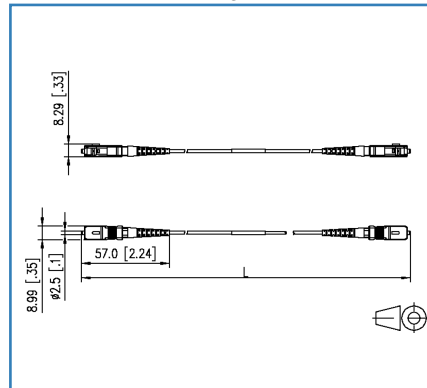
P/N  
151P3EOEOXXE

2018-23-01

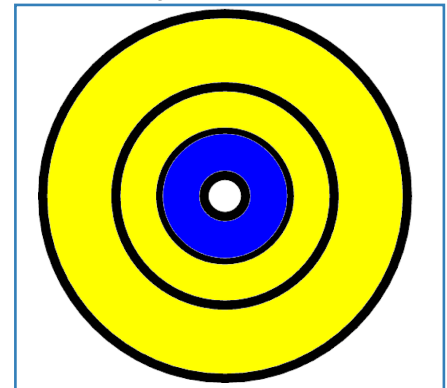
## Illustrations



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  $\mu\text{m}$ , 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 2.0 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



### Technical Data

#### General Data

Fields of application

Office  
Data center

Design

Patch cords

Transmission technology

Fiber optic

Color

yellow

Dimensions

Dimension - Interface 1 (L x W x H)

57.00 x 8.99 x 8.29 mm

Dimension - Interface 1 (L x W x H)

2.244 x 0.354 x 0.326 in.

Dimension - Interface 2 (L x W x H)

57.00 x 8.99 x 8.29 mm

Dimension - Interface 2 (L x W x H)

2.244 x 0.354 x 0.326 in.

Mode type of the fiber

Single mode

Fiber class

OS2: IEC 60793-2-50 B6\_a, B6\_b & ITU-T G.657.A2, G.657.B2, G.652.D

Number of cables/ cores

1

Shape

UPC (Ultra Physical Contact)/UPC (Ultra Physical Contact)

Fiber construction

9/125 µm

Minimum length

0.50 m

Minimum length

1.64 ft

Maximum length

20.00 m

Weight

4.5 kg/km

#### Connections/interfaces

Connector technology interface 1

SC

Connector technology interface 2

SC

Ferrule diameter

2.50 mm

Ferrule diameter

0.098 in.

#### Optical characteristics

Insertion loss

max. 0.3 dB

Return loss

min. 50 dB



### Technical Data

#### Mechanical characteristics

strain relief	aramide fibres
Maximum installation load	15.00 mm
Maximum installation load	0.591 in.

#### Materials and material properties

Bend insensitivity	yes
Flame retardancy	yes
Halogen free	yes

#### Environmental conditions

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

#### Approvals

RoHS	compliant
------	-----------

#### The product meets the following standards

Generic cabling systems	
General requirements	ISO/IEC 11801
Fibre optic connector interfaces	IEC 61754-4
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
Determination of acidity (by measuring the pH value) and conductivity	IEC 60754-2



### Technical Data

#### The product meets the following standards

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

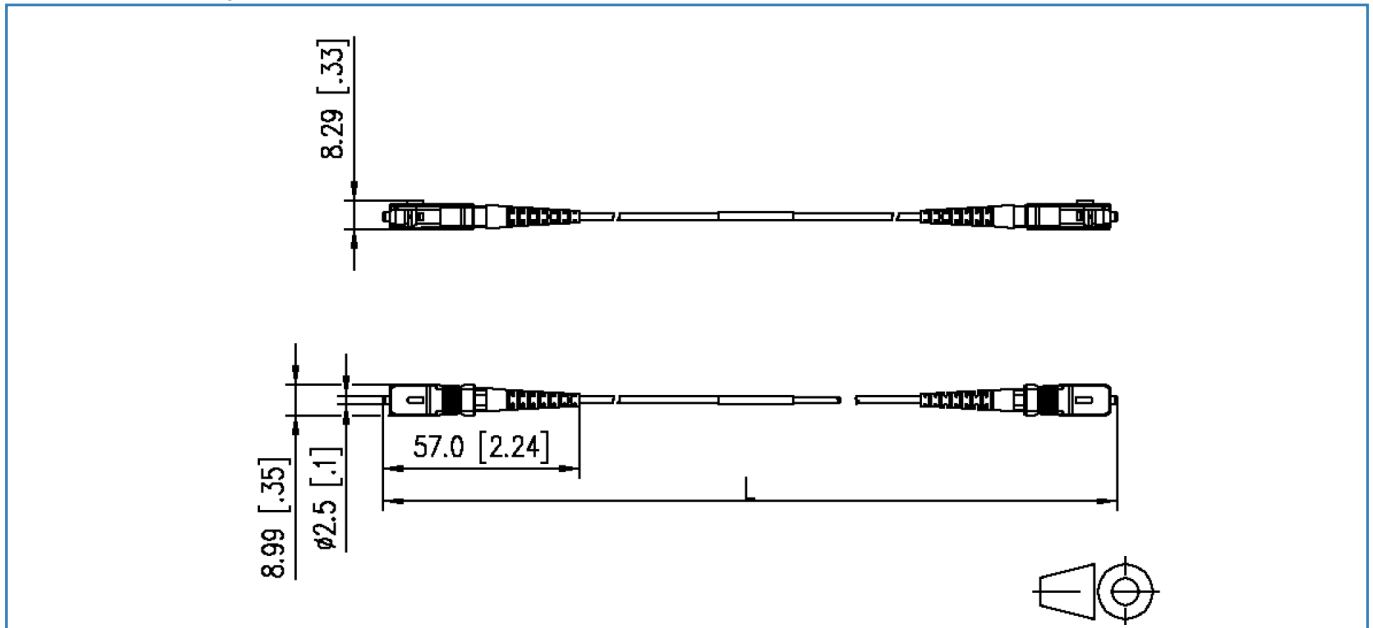
#### Packing details

Type of packaging	1 pc(s) / plastic bag
Packaging dimension (W x H x D)	300.00 x 200.00 x 50.00 mm
Packaging dimension (W x H x D)	11.811 x 7.874 x 1.969 in.



**Illustrations**

Dimensional drawing



Principle diagram

