

**Data sheet****OpDAT patch cord 2x1 OS2 - bend insensitive**

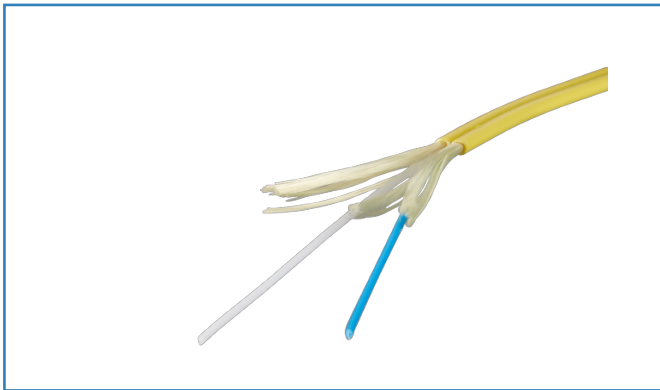
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P/N

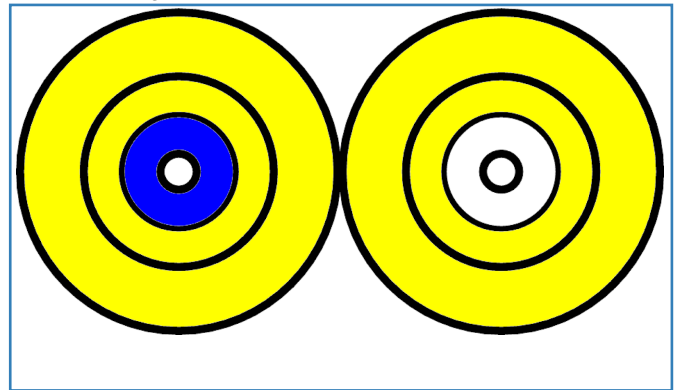
150P100M

EAN 4250184145578

2018-09-01

**Illustrations**

Principle diagram



See enlarged drawings at the end of document

**Product specification**

- installation cable I-V(ZN)H
- duplex cables for connection or distribution
- laser-optimized fibers
- bending resistant fiber
- cable sheath: LSHF-FR
- cable structure: figure 8 patch cable
- strain relief: aramide
- applicable standards: EN 50173-1, ISO 11801 2nd edition, IEC 60794-2, IEC 60794-2-20, EN 187000
- variants: yellow (OS2), lime green (OM5), violet (OM4), aqua (OM3), orange (OM2)



### Technical Data

#### General Data

Fields of application	Structured building cabling, Office Data center
Design	Patch cords
Transmission technology	Fiber optic
Color	yellow
Color coding fiber/ wire(s)	see table
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
Cable Type	Duplex cable
Number of cables/ cores	2
Number of fibres each cable/ wire	1
Fiber construction	9/125 µm
Weight	8.00 kg/km

#### Connections/interfaces

Connector technology interface 1	Free line end
Connector technology interface 2	Free line end
Cable sheath diameter (min. - max.)	
Cable sheath diameter	2.0 x 4.2 mm
Cable sheath diameter	0.079 x 0.157 in.

#### Optical characteristics

Attenuation of the fiber	
Attenuation of the fiber in the cable at 1310 nm	0.38 dB/km
Attenuation of the fiber in the cable at 1550 nm	0.23 dB/km
Attenuation of the fiber in the cable at 1625 nm	0.25 dB/km

#### Mechanical characteristics

strain relief	aramide fibres
Maximum installation load (max.)	240 N
Maximum installation load	15.00 mm
Maximum installation load	0.591 in.
Fire load	180 MJ/km



### Technical Data

#### Materials and material properties

Material - Cable jacket	LSHF-FR
Bend insensitivity	yes
Flame retardancy	yes
Halogen free	yes
Laser-optimized	yes

#### Environmental conditions

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

#### Approvals

RoHS	compliant
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#### The product meets the following standards

Generic cabling systems	
General requirements	ISO/IEC 11801
Optical fibers: Generic specification	
Cross reference table for optical cable test procedures	ISO/IEC 60794-1-2
Optical fibers: Indoor optical cables	
Sectional specification for class B single-mode fibres	ISO/IEC 60793-2-50 type B6_a/B6_b
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	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

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**Technical Data****Classifications**

ETIM 5.0	EC000034
ETIM 6.0	EC000034

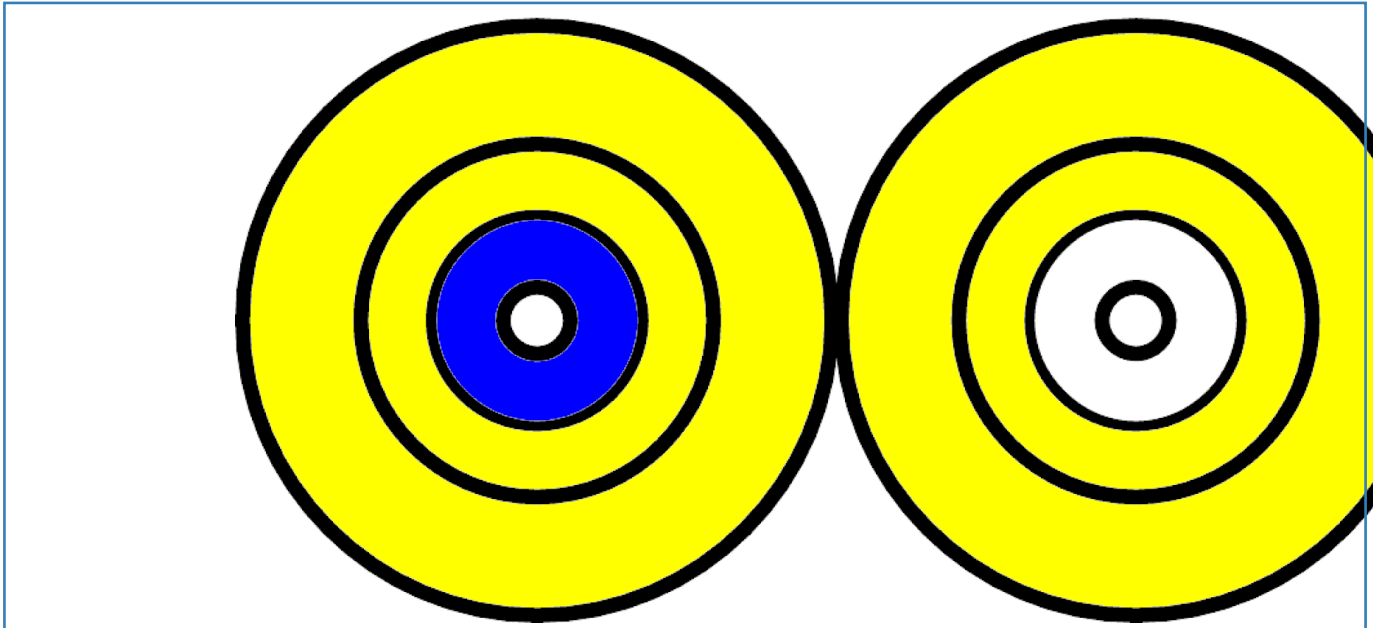
**Packing details**

Type of packaging	1 meter / 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

Principle diagram



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### Fiber color coding

Fiber color code		
	1	natural
	2	blue

