

Data sheet**OpDAT patch cord 2x1 OM4 - bend insensitive**

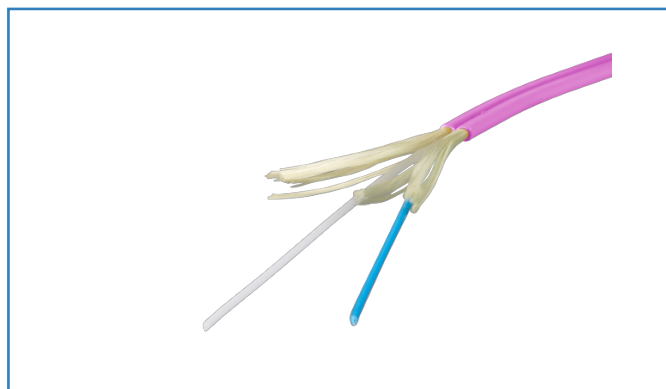
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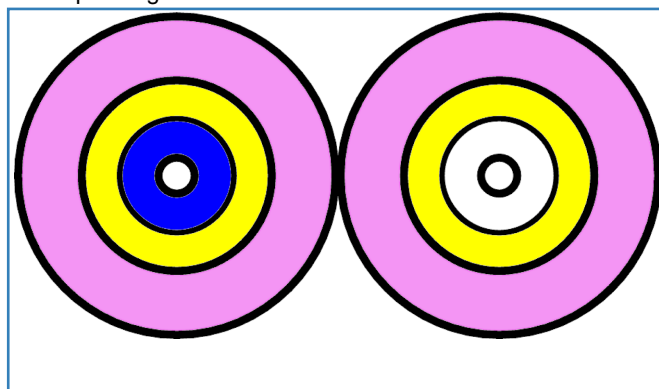
150S1000M

EAN 4250184150237

2018-13-03

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	Installation cables
Transmission technology	Fiber optic
Color	violet
Color coding fiber/ wire(s)	see table
Mode type of the fiber	Multimode
Fiber class	OM4: ISO/IEC 11801/EN 50173 & IEC 60793-2-10/EN 60793-2-10 A1.a.3
Cable Type	Duplex cable
Number of cables/ cores	1
Number of fibres each cable/ wire	2
Fiber construction	50/125 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 850 nm	max. 3.0 dB/km
Attenuation of the fiber in the cable at 1300 nm	max. 1.0 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
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: Product specifications	
Sectional specification for category A1 multimode fibres	ISO/IEC 60793-2-10 (A1a.3)
Optical fibers: Generic specification	
Cross reference table for optical cable test procedures	ISO/IEC 60794-1-2
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	G.651.1
TIA/ANSI-492	AAAD

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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.



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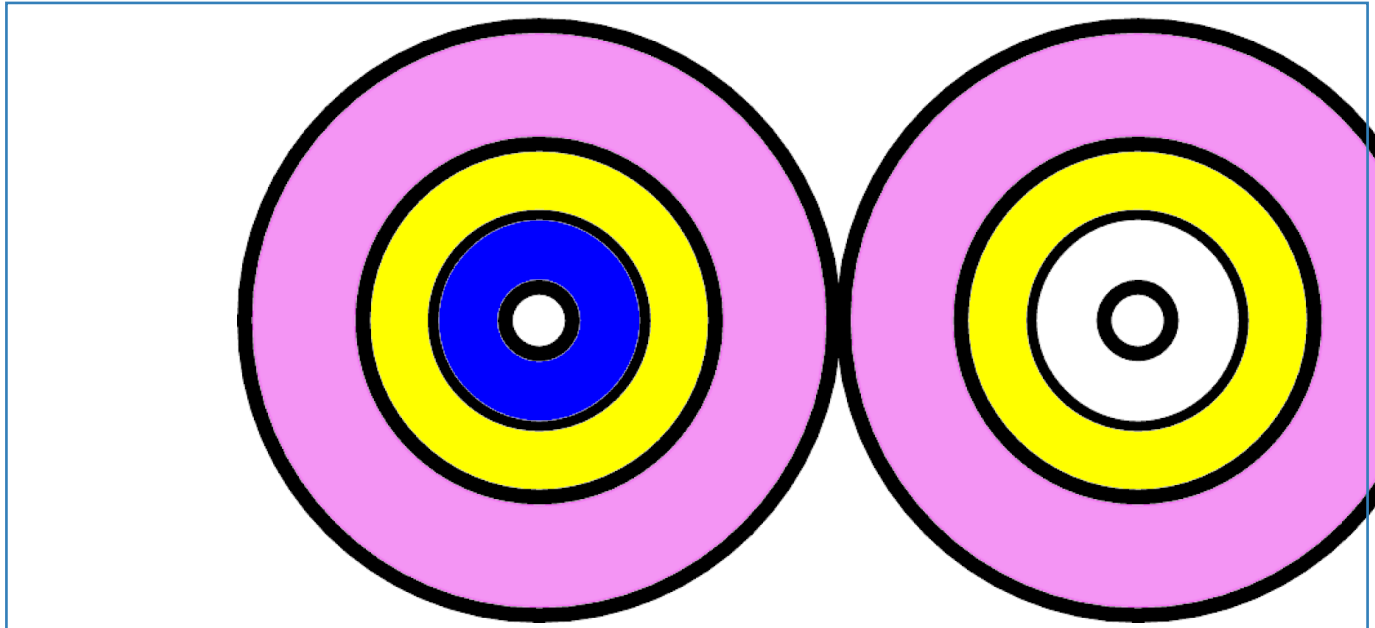
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Fiber color coding

Fiber color code		
	1	natural
	2	blue

