

**Data sheet****OpDAT connection cable 2x1 OS2 - bend insensitive**

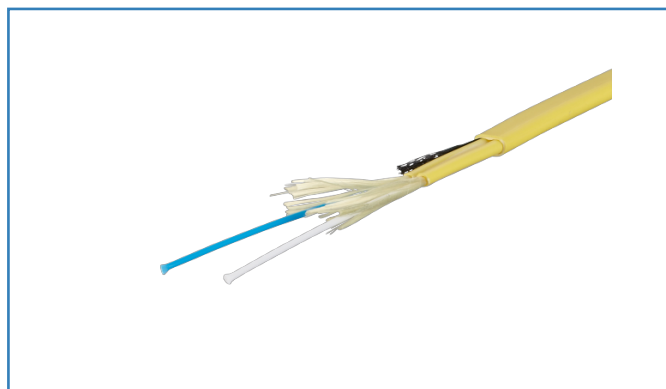
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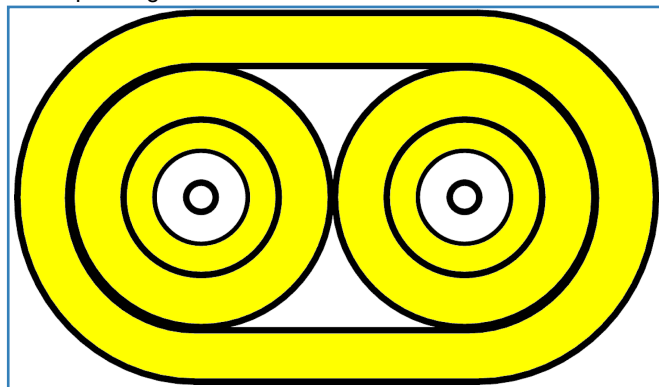
150P2000M

EAN 4251122186189

2018-10-01

**Illustrations**

Principle diagram



See enlarged drawings at the end of document

**Product specification**

- connection cable for direct connector termination with higher robustness
- cable structure: I-V(ZN)HH2, duplex patch cable with additional outer jacket (&bdquo;figure 0&ldquo;)
- laser optimized fiber (not for OM2)
- bend insensitive fiber
- cable jacket: LSHF-FR
- strain relief: aramid
- applicable standards: EN 50173-1, ISO 11801 2nd edition, IEC 60794-2, IEC 60794-2-10, EN 187000

variants:

OS2, OM5, OM4, OM3, 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
Fiber class	OS2: IEC 60793-2-50 B6_a, B6_b & ITU-T G.657.A2, G.657.B2, G.652.D
Cable Type	Connection cable
Number of cables/ cores	2
Number of fibres each cable/ wire	1
Fiber construction	9/125 µm
Weight	18.00 kg/km

#### Connections/interfaces

Cable sheath diameter (min. - max.)	
Cable sheath diameter	3.0 x 5.0 mm
Cable sheath diameter	0.118 x 0.197 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
Short term tensile strength	240 N
Maximum installation load	15.00 mm
Maximum installation load	0.591 in.
Crush (compressive strength)	1000 N
Fire load	315 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	IEC 60332-1
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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#### Packing details

Type of packaging	0 meter
Packaging dimension (W x H x D)	0.00 x 0.00 x 0.00 mm



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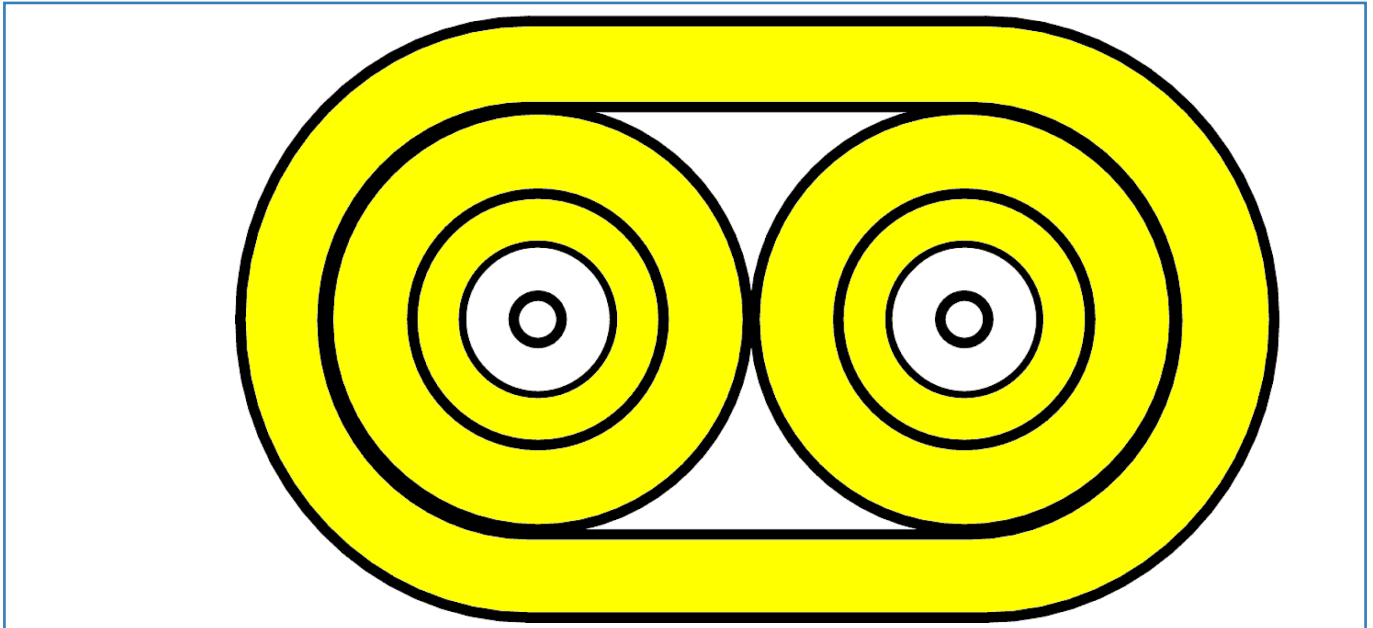
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### Fiber color coding

Fiber color code		
	1	natural
	2	blue

