

Data sheet

**OpDAT connection cable 2x1 OM4 - bend insensitive
class D_{ca} s1 d1 a1**

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P/N

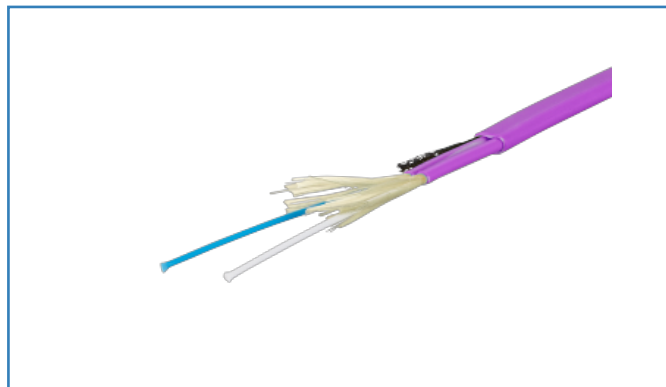
150S2000M

EAN 4251122186172

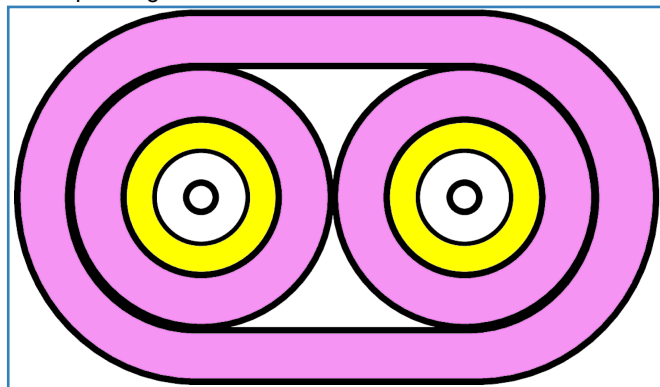
2019/09/20

Version: P

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 ("figure 0")
- 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

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Technical Data

General Data

Fields of application

Structured building cabling, Office

Data center

Design

patch cord

Transmission technology

Fiber optic

Color

violet

Color coding fiber/ wire(s)

see table

Mode type of the fiber

Multimode

Cable Type

connection cable

Number of cables/ cores

2

Number of fibres each cable/ wire

1.0000000000

Fiber construction

50/125 µm

Weight

18 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 850 nm

3.0

Attenuation of the fiber in the cable at 1625 nm

1 dB/km

Mechanical characteristics

strain relief

aramide fibres

Maximum installation load (max.)

240 N

Maximum installation load

15 mm

Maximum installation load

0.591 in.

Crush (compressive strength)

1000 N

Torsion resistance

5 cycles ± 1 rotation

Fire load

315 MJ/km



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Materials and material properties

Material - Cable jacket	LSHF-FR
Bend insensitivity	yes
Flame retardancy	yes
Halogen free	yes
Impact resistance	2 Nm
Laser-optimized	yes
RoHS	compliant

Environmental conditions

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

The product meets the following standards

Generic cabling systems	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	IEC 60332-1
Test for vertical flame spread of vertically-mounted bunched wires or cable	ISO/IEC 60332-3-24
Measurement of smoke density of cables burning	ISO/IEC 61034
ITU-T standard	G.651.1



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Packing details

Type of packaging	1 meter / Ring or drum
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