

Data sheet

OpDAT patch cord 2x1 OM4 - bend insensitive

Page 1/4

P/N

150S1000M

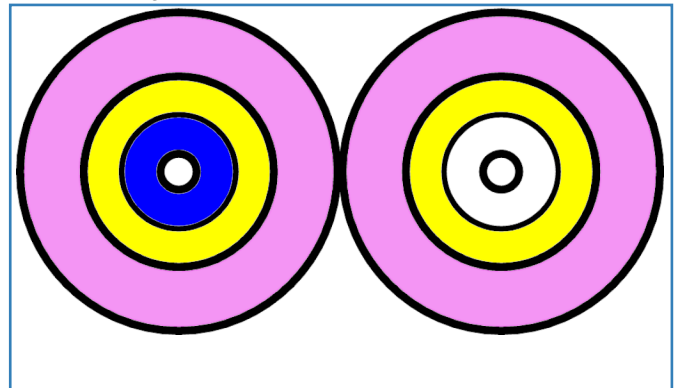
EAN 4250184150237

2015-08-07

Illustrations



Principle diagram



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), violet (OM4), aqua (OM3), orange (OM2)
- Others on request

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Technical Data

General Data

Fields of application	Structured building cabling, Office Data center
Design	Installation cables
Transmission technology	Fiber optic
Color	heather 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

Transmission characteristics

Reach	
Reach 100BASE	2000 m
Reach 1000BASE LX	550 m
Reach 1000BASE SX	1000 m
Reach 10GBASE LX4	300 m
Reach 10GBASE SW/SR	550 m
Reach 40GBASE SR4	150 m
Overfilled (OFL) modal bandwidth at 850 nm (min.)	3500 MHz * km
Overfilled (OFL) modal bandwidth at 1300 nm (min.)	500 MHz * km
Effective modal bandwidth (EMB) at 850 nm (min.)	4700 MHz * 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	0.08 x 0.17 in.

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Mechanical characteristics

Strain relief	aramide fibres
Permanent tensile strength	120 N
Bending radius without load	20.00 mm
Bending radius without load	0.79 in.
Impact resistance	1 Nm
Crush (compressive strength)	2000 Nm
Torsion resistance	5 cycles ± 1 revolution

Materials and material properties

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 DIN EN 50173-1
Optical fibers: Sectional specification	
Indoor cables	ISO/IEC 60794-2
Optical fibers: Product specifications	
Sectional specification for category A1 multimode fibres	ISO/IEC 60793-2-10 (A1a.3)



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The product meets the following standards

Optical fibers: Indoor optical cables

Family specification for simplex and duplex cables	ISO/IEC 60794-2-10
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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
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Test for vertical flame spread of vertically-mounted bunched wires or cables	ISO/IEC 60332-3-24
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Measurement of smoke density of cables burning	ISO/IEC 61034-2
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TIA/ANSI-492	AAAD
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Classifications

ETIM 5.0	EC000034
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Packing details

Type of packaging	Meter / drum
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