

Data sheet

OpDAT patch cord 1x1 OS2
class F_{ca} 50.0 m

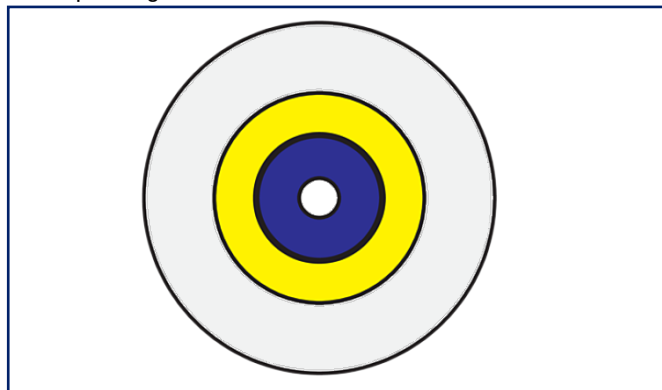
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P/N
150P700050M
EAN 4251394654263
 2026/09/29
 Version: J

Illustrations



Principle diagram



See enlarged drawings at the end of document

Product specification

- connecting cable I-V(ZN)H
- simplex cable for direct connector assembly for indoor use
- bend insensitive fiber
- cable sheath: LSHF
- sheath color: white
- UV-resistant, metal-free, longitudinally watertight
- cable construction: Ø2.8 mm with 900 µm tight buffer
- tension relief: aramide
- applicable standards: EN 50173-1, ISO 11801 2nd edition, IEC 60794-2, IEC 60794-2-10, EN 187000
- variants fiber type OS2: 20 m as cable ring, 50 m on cardboard drum, 100 m on cardboard drum



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Technical Data

General Data

Fields of application	office areas fiber to the desk interior data center
Transmission technology	Fiber optic
Mode type of the fiber	Singlemode
Fiber class	OS2
Cable Type	patch cord
Number of fibres each cable/ wire	1
Weight	9 kg/km
Jacket color	white

Geometric characteristics

Cable length (m)	50 m
Outer diameter cable jacket (mm)	2.8 mm
Outer diameter cable jacket (inch)	0.11 in.
Core-/ Fiber cladding diameter	900 µm

Mechanical data

strain relief	aramide yarn
Tensile strength during operation	150 N
Maximum installation load (max.)	300 N
Maximum installation load	20 mm
Maximum operating bending radius	7.5 mm
Impact resistance	3 Nm
Crush (compressive strength)	3000 N/100 mm
Torsion resistance	5 cycles ± 1 rotation
Fire load	160 MJ/km

Materials and material properties

Halogen free	yes
Metal-free	yes



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Environmental conditions

Temperature (min. - max.)

Temperature - Storage °C -40 °C - 70 °C

Temperature - Storage °F -40 °F - 158 °F

Temperature - Operating °C -40 °C - 70 °C

Temperature - Operating °F -40 °F - 158 °F

Temperature - Installation °C -40 °C - 70 °C

Temperature - Installation °F -40 °F - 158 °F

Standards/Regulations

Common test methods for cables under fire conditions

Fire behaviour - class (EN 50399)



Fca

Classifications

ETIM 7.0 EC001263

ETIM 8.0 EC001263

ETIM 9.0 EC001263

ETIM 10.0 EC001263

Packing details

Type of packaging 1 pc(s) / drum

Application note

This product is a standard product of METZ CONNECT. METZ CONNECT is not aware of the specific intended use of the goods by the Customer or any customers of the Customer. The Customer guarantees that it has fully and sufficiently tested the use of the goods and any product modifications, product changes or product enhancements with regard to the specific intended use in accordance with the state of the art or in any other way.



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