Data sheet

OpDAT FITH cable compact 1x4 OS2 class $B2_{ca}$

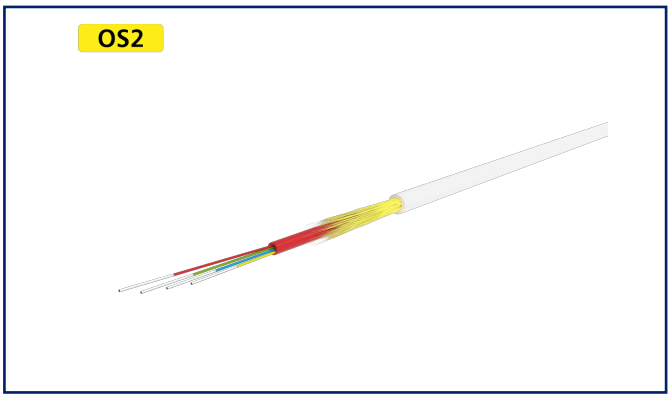
P/N 150F0049B040M

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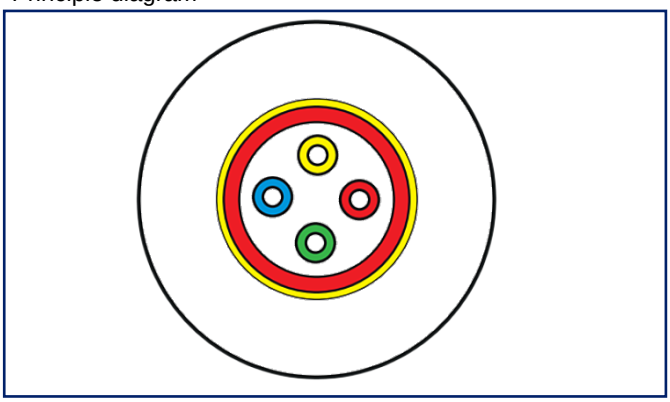
2026/09/29

Version: K

Illustrations



Principle diagram



See enlarged drawings at the end of document

Product specification

- FITH cable for indoor applications
- for horizontal and backbone cabling
- single mode fiber OS2, SM9/125 µm, bend insensitive according to IEC 60793-2-50 type B6_a, ITU-T. G.657.A2 compatible to ITU-T G.652.D
- with 4 colored fibers incl. secondary coating (Ø 0.25 mm) and aramid yarn for strain relief
- cable jacket halogen free with low smoke development and flame-extinguishing, LSHF (low smoke, halogen free)
- outer diameter 2.3 mm
- color: white
- applicable standards: IEC 60794-2-20
- fire behaviour: class $B2_{ca}$ s1a d0 a1 acc. to EN 50399 (classification according to EN 13501-6)

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Technical Data

General Data	
Mechanical measurement according to MICE	M1
Ingress measurement according to MICE	I1
Climatic measurement according to MICE	C1
Electromagnetic measurement according to MICE	E3
Fields of application	fiber to the desk interior structured building cabling
Transmission technology	Fiber optic
Color coding fiber/ wire(s)	IEC 60304
Mode type of the fiber	Singlemode
Fiber class	OS2
Cable Type	FITH cable
Number of cables/ buffered fibers	4
Number of fibres each cable/ wire	4
Weight	5.2 kg/km
Geometric characteristics	
Outer diameter cable jacket (mm)	2.3 mm
Outer diameter cable jacket (inch)	0.091 in.
Core-/ Fiber cladding diameter	250 µm
Mechanical data	
Tensile strength during operation	200 N
Maximum installation load (max.)	400 N
Maximum installation load	10 mm
Maximum operating bending radius	10 mm
Crush (compressive strength)	500 N/100 mm
Fire load	90 MJ/km
Materials and material properties	
Halogen free	yes
Metal-free	yes

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Technical Data

Environmental conditions

Temperature (min. - max.)		
Temperature - Storage °C	-20 °C - 70 °C	
Temperature - Storage °F	-4 °F - 158 °F	
Temperature - Operating °C	-10 °C - 60 °C	
Temperature - Operating °F	14 °F - 140 °F	
Temperature - Installation °C	-5 °C - 50 °C	
Temperature - Installation °F	23 °F - 122 °F	

Standards/Regulations

Common test methods for cables under fire conditions		
Fire behaviour - class (EN 50399)		B2ca

Classifications

ETIM 7.0	EC000034
ETIM 8.0	EC000034

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.

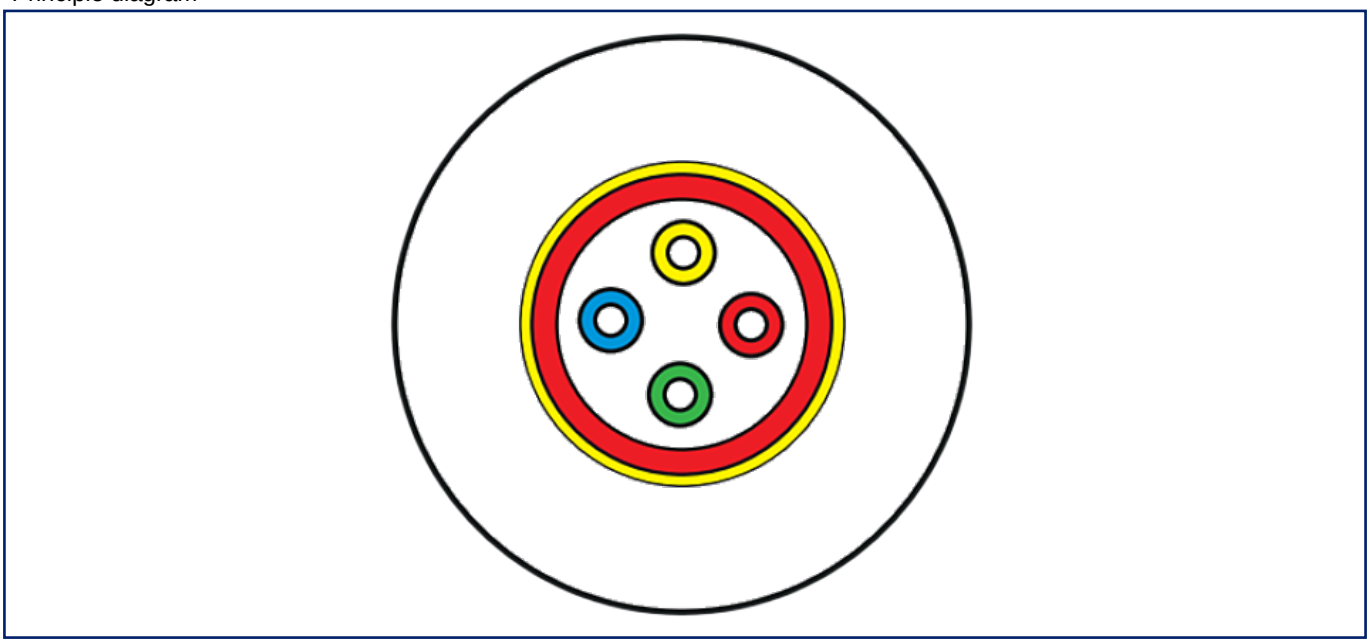
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