Data sheet

OpDAT mini-Breakoutkabel 4x1 OS2 class D_{ca}

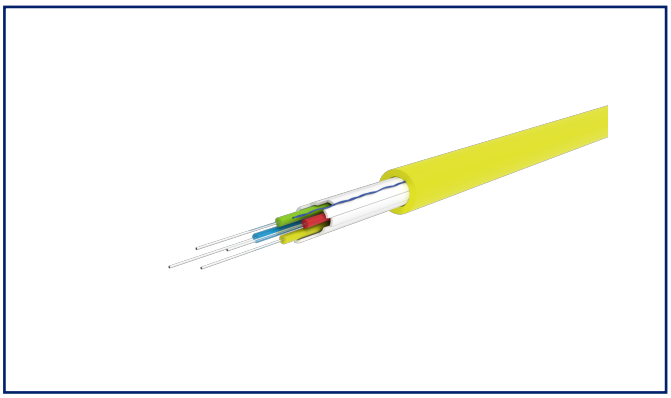
P/N 150M0049D010M

EAN 4251394653457

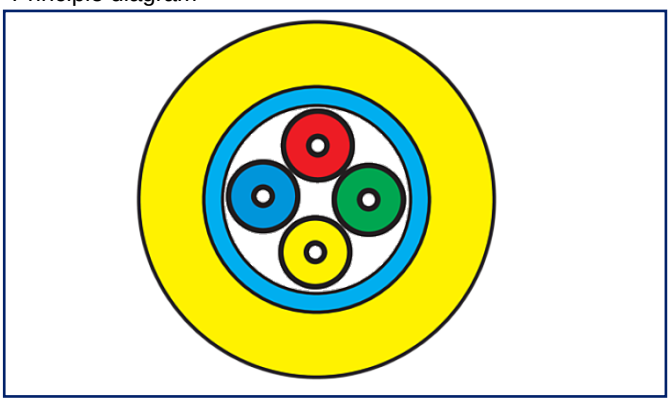
2025/06/18

Version: I

Illustrations



Principle diagram



See enlarged drawings at the end of document

Product specification

- mini-breakout installation cable U-VQ(ZN)H
- bend insensitive fiber
- UV-resistant, metal-free, waterproof and moisture-resistant
- longitudinally water blocked and suitable for operation down to -40 °C
- cable jacket: LSHF-FR (low smoke halogen free - flame retardant)
- cable structure: tight buffered fibers (Ø 0.9 mm) in a common cable jacket
- strain relief: glasroving elements
- to be laid in tubes and cable ducts indoors and outdoors
- applicable standards: EN 50173-1, ISO 11801 2nd edition, IEC 60794-2, IEC 60794-2-20, EN 187000
- fire behaviour: class Dca s1 d0 a1 acc. to EN 50399 (classification acc. to EN 13501-6)
- variants: number of OS2 fibers: 4, 12, 24
- variants: number of OM5 fibers: 4, 12
- variants: number of OM4 fibers: 4, 12, 24
- variants: number of OM3 fibers: 4, 12, 24
- all available variants can be created with the configurator

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Weitere Dokumentation siehe / additional documentation see / documentation supplémentaire voir www.metz-connect.com

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Technical Data

General Data	
Fields of application	office areas 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	mini breakout cable
Number of cables/ buffered fibers	4
Number of fibres each cable/ wire	1
Weight	27 kg/km
Geometric characteristics	
Outer diameter cable jacket (mm)	5.2 mm
Outer diameter cable jacket (inch)	0.205 in.
Core-/ Fiber cladding diameter	900 µm
Mechanical data	
strain relief	aramide yarn
Tensile strength during operation	220 N
Maximum installation load (max.)	440 N
Maximum operating bending radius	50 mm
Impact resistance	10 Nm
Crush (compressive strength)	2000 N/100 mm
Torsion resistance	5 cycles ± 1 rotation
Materials and material properties	
Halogen free	yes
Metal-free	yes
UV-resistance	yes

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Technical Data

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	-20 °C - 60 °C	
Temperature - Installation °F	-4 °F - 140 °F	

Standards/Regulations

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

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. At METZ CONNECT's request, the Customer shall submit and make available meaningful evidence (e.g. test and laboratory protocols, certifications, etc.).

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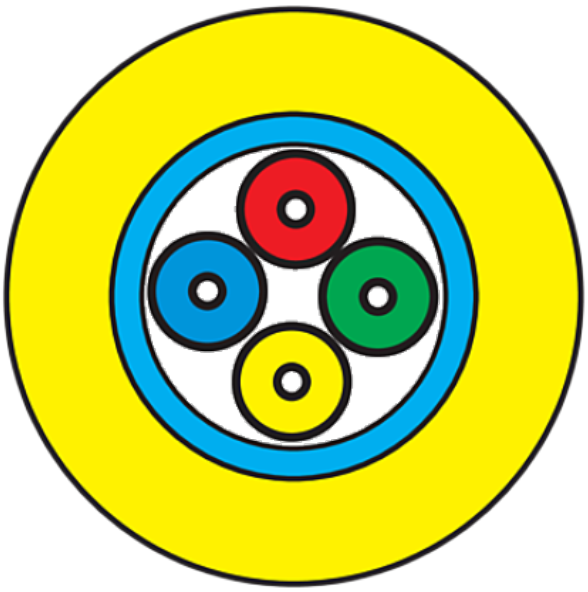

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