Data sheet

OpDAT mini-Breakoutkabel 12x1 OM3 class D_{ca}

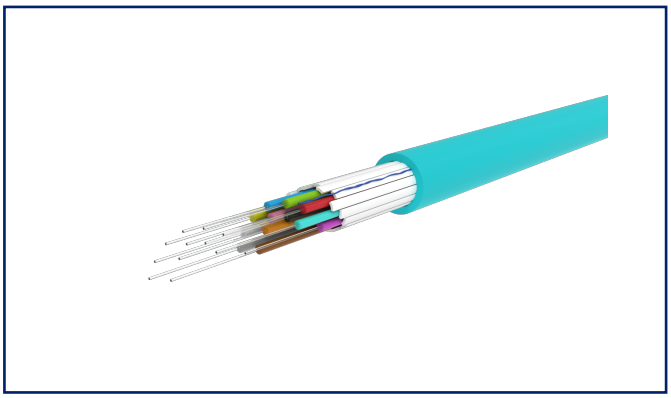
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EAN 4251394653440

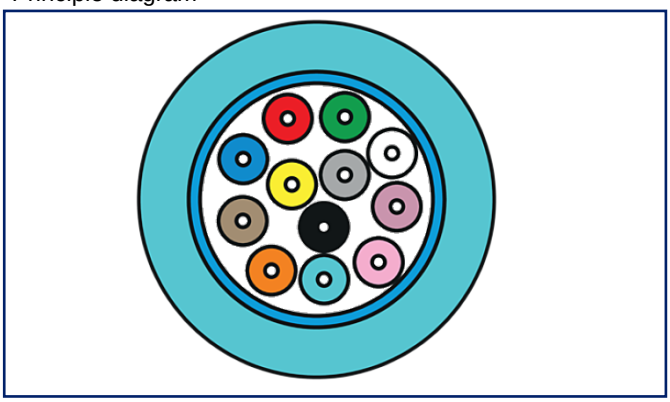
2026/09/28

Version: J

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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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	Multimode
Fiber class	OM3
Cable Type	mini breakout cable
Number of cables/ buffered fibers	12
Number of fibres each cable/ wire	1
Weight	36 kg/km
Jacket color	aqua
Geometric characteristics	
Outer diameter cable jacket (mm)	7 mm
Outer diameter cable jacket (inch)	0.276 in.
Core-/ Fiber cladding diameter	900 µm
Mechanical data	
strain relief	aramide yarn
Tensile strength during operation	450 N
Maximum installation load (max.)	900 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.

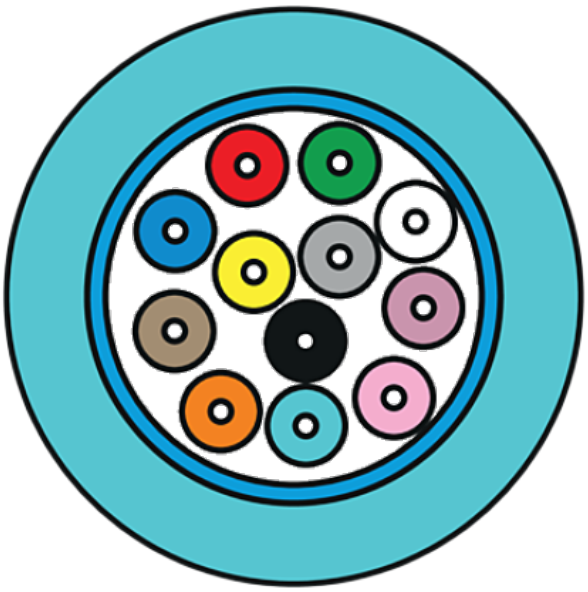
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