

P | Cabling

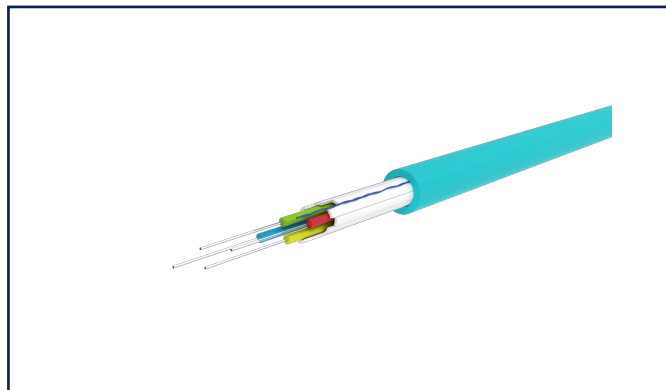
Data sheet

OpDAT mini-Breakoutkabel 4x1 OM3 class D_{ca}

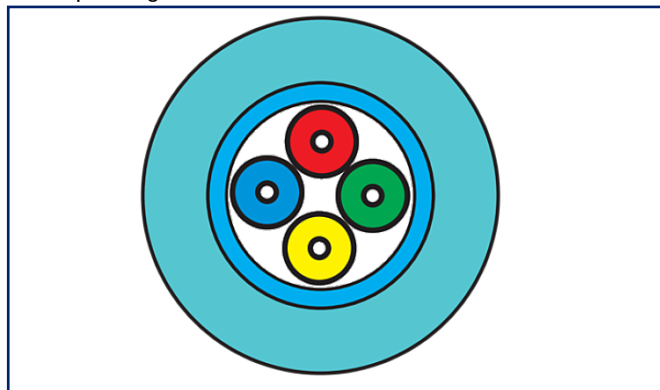
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P/N
150M0045D010M
EAN 4251394653495
2023/06/16
Version: E

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
Jacket color	aqua
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	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
RoHS	compliant



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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
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