

P | Cabling

Data sheet

OpDAT outdoor cable 1x4 OM3 class F_{ca}

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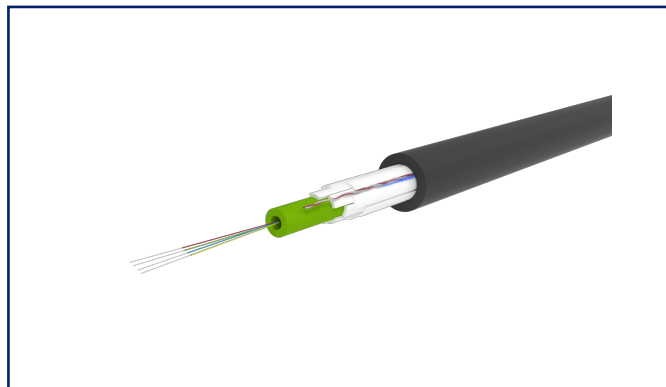
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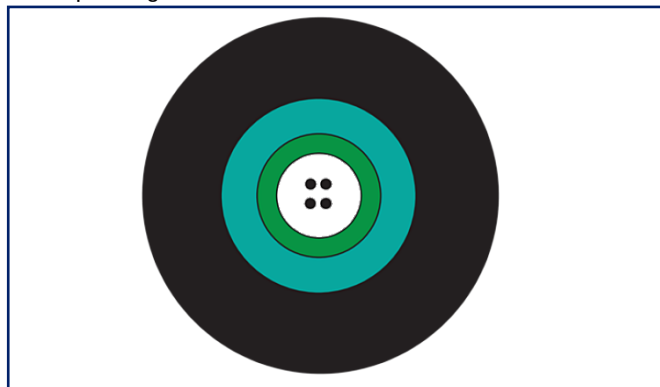
2023/06/16

Version: G

Illustrations



Principle diagram



See enlarged drawings at the end of document

Product specification

- OpDAT outdoor cable
- installation cable A-DQ(ZN)B2Y
- outdoor cable with central loose tube (up to 24 fibres) or stranded loose tube (48 fibres)
- cable structure: filled loose tube
- cable diameter for filled loose tube (up to 24 fibres): Ø 6.7 mm
- cable diameter with stranded loose tubes: Ø 11.0 mm
- stranded loose tubes: loose tubes grouped around a glass fiber reinforced plastic stick with a dia. of 2.5 mm
- bend insensitive fiber
- UV-resistant, metal-free, longitudinally waterproof, tensile strength and rodent repellent
- cable jacket: LLDPE
- strain relief: longitudinally waterproof wrapping, glass roving elements
- cable for laying in ducts or directly in the ground
- applicable standards: ISO 11801-1, EN50173-1:2002, IEC 60794-1
- variants: number of OS2 fibers: 1x4, 1x12, 1x24, 4x13
- variants: number of OM4 fibers: 1x4, 1x12, 1x25
- variants: number of OM3 fibers: 1x4, 1x12, 1x25
- all available variants can be created with the configurator



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Technical Data

General Data

Fields of application	structured building cabling
Transmission technology	Fiber optic
Jacket color	black
Color coding fiber/ wire(s)	IEC 60304
Mode type of the fiber	Multimode
Fiber class	OM3
Cable Type	Outdoor cable
Number of cables/ buffered fibers	4
Number of fibres each cable/ wire	12
Weight	40 kg/km

Geometric characteristics

Outer diameter cable jacket (mm)	6.7 mm
Outer diameter cable jacket (inch)	0.264 in.
Core-/ Fiber cladding diameter	250 µm

Mechanical data

strain relief	central tension element
Tensile strength during operation	1000 N
Maximum installation load	134 mm
Maximum operating bending radius	67 mm
Impact resistance	20 Nm
Crush (compressive strength)	2000 N/100 mm
Torsion resistance	5 cycles ± 1 rotation

Materials and material properties

Rodent protection	rodent proof
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 - 60 °C

Temperature - Storage °F -40 °F - 140 °F

Temperature - Operating °C -30 °C - 70 °C

Temperature - Operating °F -22 °F - 158 °F

Temperature - Installation °C -15 °C - 70 °C

Temperature - Installation °F 5 °F - 158 °F

Standards/Regulations

Common test methods for cables under fire conditions

Fire behaviour - class (EN 50399)



Fca

Classifications

ETIM 7.0 EC000034

ETIM 8.0 EC000034

Packing details

Type of packaging 1 pc(s) / drum



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