

P | Cabling

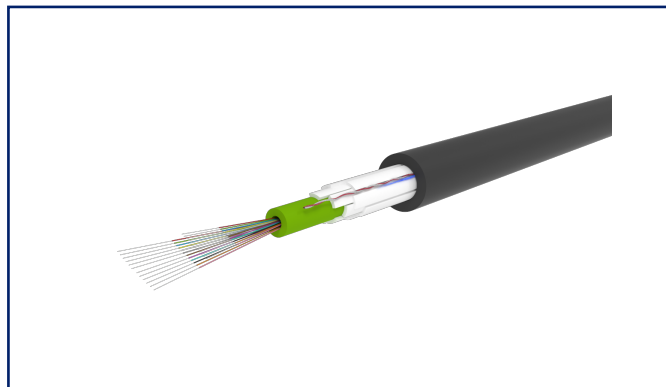
Data sheet

**OpDAT outdoor cable 1x24 OS2 - bend insensitive
class F_{ca}, black**

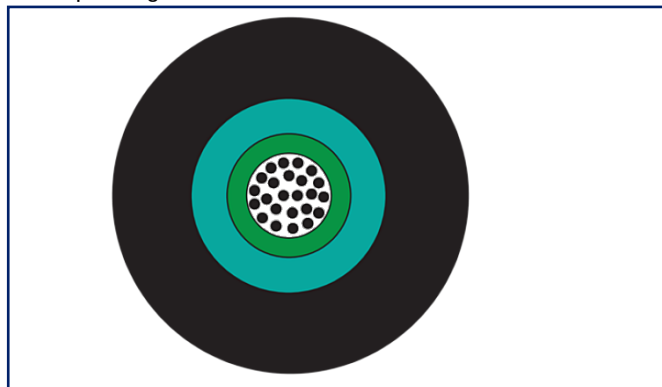
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P/N
150A02490240M
EAN 4251394653860
2021/07/15
Version: C

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	Singlemode
Fiber class	OS2
Cable Type	Outdoor cable
Number of cables/ buffered fibers	24
Number of fibres each cable/ wire	24
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

Environmental conditions

Temperature - Storage °C	60 °C
Temperature - Storage °F	-40 °F
Temperature - Storage °F	140 °F
Temperature - Operating °C	-30 °C



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Technical Data

Environmental conditions

Temperature - Operating °C	70 °C
Temperature - Operating °F	-22 °F
Temperature - Operating °F	158 °F
Temperature - Installation °C	-15 °C
Temperature - Installation °C	70 °C
Temperature - Installation °F	5 °F
Temperature - Installation °F	158 °F

The product meets the following standards

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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