Data sheet

OpDAT universal cable 2x12 OM3 class E_{ca}

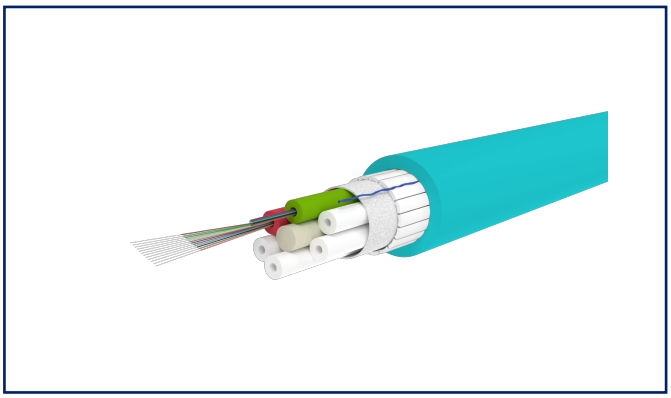
P/N 150U0245E120M

EAN 4251394678702

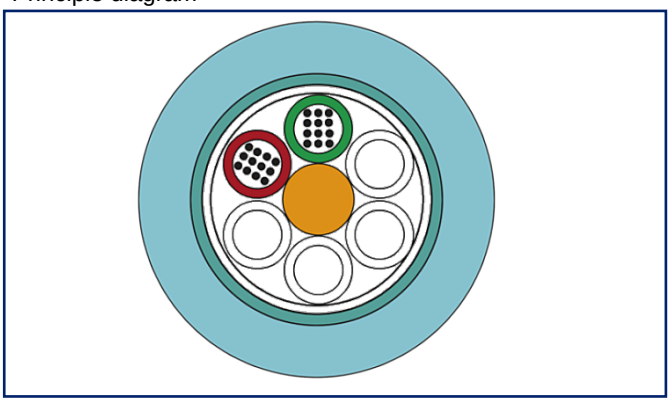
2026/09/28

Version: D

Illustrations



Principle diagram





See enlarged drawings at the end of document

Product specification

- installation cable U-DQ(ZN)BH
- universal fiber optic cable for indoors/outdoors with stranded loose tube (24 fibres)
- bend insensitive fiber
- UV-resistant, metal-free, longitudinally waterproof, tensile strength and rodent repellent
- cable jacket: LSHF
- cable structure: filled loose tubes
- cable diameter with stranded loose tube Ø 11.2 mm
- strain relief: longitudinally waterproof wrapping, glasroving elements
- stranded loose tubes: loose tubes grouped around a glass fiber reinforced plastic stick with a dia. of 2.5 mm
- for laying in ducts or directly in the ground in a suitable layer of sand
- applicable standards: EN 50173-1, ISO 11801 2nd edition, IEC 60794-1, EN 187000
- fire behaviour: class E_{ca} (classification acc. to EN 13501-6)
- all available variants can be created with the configurator

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Technical Data

General Data	
Fields of application	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	Universal cable
Number of cables/ buffered fibers	24
Number of fibres each cable/ wire	12
Weight	104 kg/km
Jacket color	aqua
Geometric characteristics	
Outer diameter cable jacket (mm)	11.2 mm
Outer diameter cable jacket (inch)	0.441 in.
Core-/ Fiber cladding diameter	250
Mechanical data	
Tensile strength during operation	1800 N
Maximum installation load (max.)	5000 N
Maximum installation load	112 mm
Maximum operating bending radius	224 mm
Impact resistance	20 Nm
Crush (compressive strength)	3000 N/100 mm
Torsion resistance	5 cycles ± 1 rotation
Fire load	2142 MJ/km
Materials and material properties	
Rodent protection	rodent repellent
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	-40 °C - 70 °C	
Temperature - Installation °F	-40 °F - 158 °F	

Standards/Regulations

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

Classifications

ETIM 7.0	EC000034
ETIM 8.0	EC000034
ETIM 9.0	EC000034
ETIM 10.0	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.

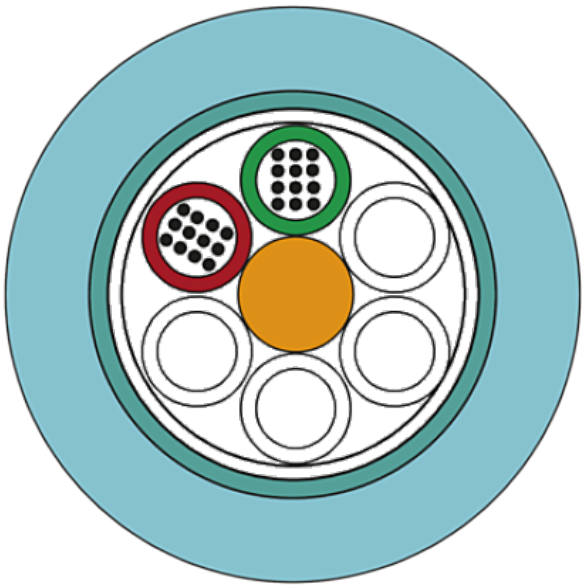
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