Data sheet

OpDAT universal cable 1x12 OS2 class E_{ca}

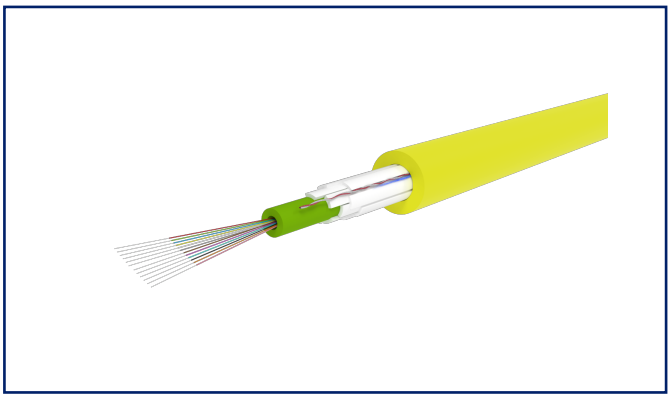
P/N 150U0129E120M

EAN 4251394653921

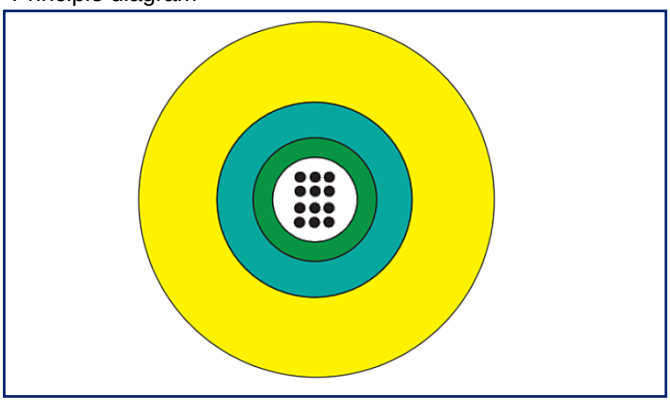
2026/09/28

Version: K

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 central tube (up to 24 fibers)
- bend insensitive fiber
- UV-resistant, metal-free, longitudinally waterproof, tensile strength and rodent repellent
- cable jacket: LSHF
- cable structure: filled loose tubes
- cable diameter for central loose tube 7.5 mm with 24 fibers per loose tube
- strain relief: longitudinally waterproof wrapping, glasroving elements
- 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 Eca (classification acc. to EN 13501-6)
- all available variants can be created with the configurator

METZ CONNECT GmbH | Im Tal 2 | 78176 Blumberg | Germany
Phone +49 7702 533-0 | Fax +49 7702 533-433 | info@metz-connect.com
Weitere Dokumentation siehe / additional documentation see / documentation supplémentaire voir www.metz-connect.com

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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	Singlemode
Fiber class	OS2
Cable Type	Universal cable
Number of cables/ buffered fibers	12
Number of fibres each cable/ wire	12
Weight	55 kg/km
Jacket color	yellow
Geometric characteristics	
Outer diameter cable jacket (mm)	7.5 mm
Outer diameter cable jacket (inch)	0.295 in.
Core-/ Fiber cladding diameter	250 µm
Mechanical data	
strain relief	central tension element
Tensile strength during operation	1000 N
Maximum installation load (max.)	3000 N
Maximum installation load	75 mm
Maximum operating bending radius	150 mm
Impact resistance	20 Nm
Crush (compressive strength)	3500 N/100 mm
Torsion resistance	5 cycles ± 1 rotation
Fire load	1100 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 - 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 - 40 °C	
Temperature - Installation °F	5 °F - 104 °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

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.

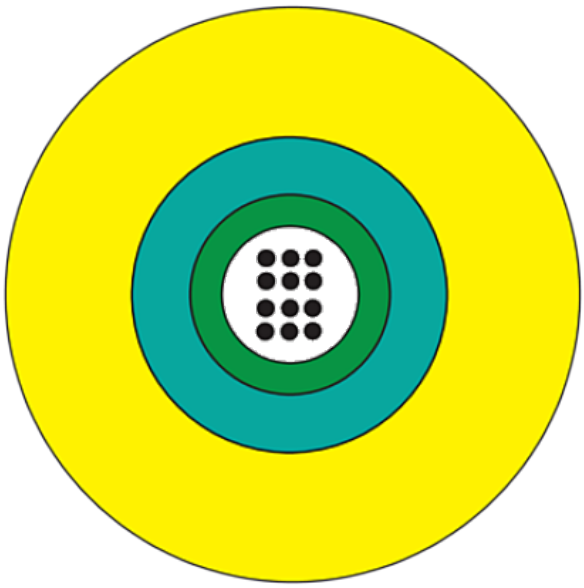
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