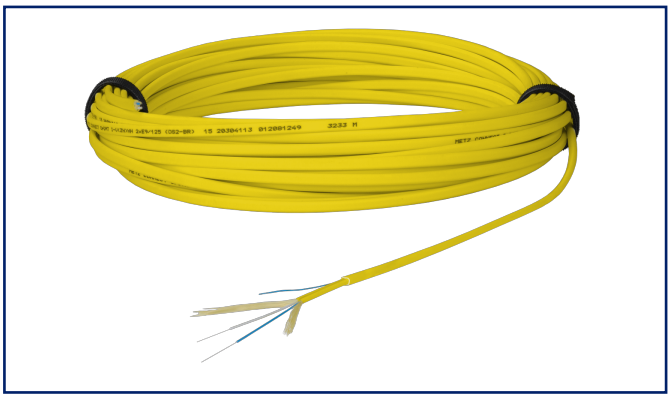
Data sheet

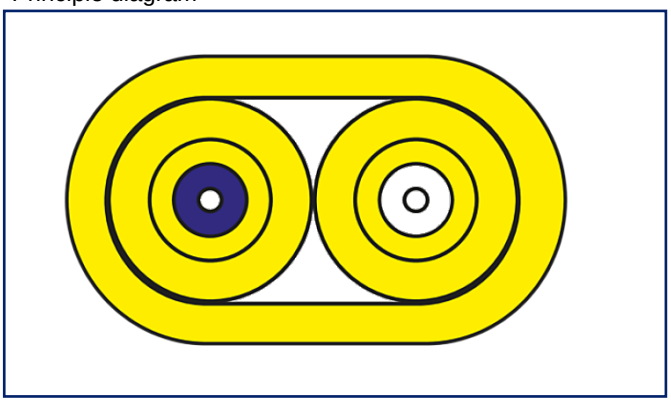
OpDAT connection cable 2x1 OS2 class D_{ca} 20.0 m

P/N 150P2D0020M
EAN 4251394654195
2025/06/23
Version: I

Illustrations



Principle diagram



See enlarged drawings at the end of document

Product specification

- connecting cable I-V(ZN)HH
- breakout cable for direct connector assembly for indoor use
- bend insensitive fiber
- cable sheath: LSHF-FR
- UV-resistant, metal-free, longitudinally watertight
- cable construction: two 2 mm separately strain-relieved cables under a common cable jacket
- each cable with 900 µm tight buffer
- tension relief: aramide
- applicable standards: EN 50173-1, ISO 11801 2nd edition, IEC 60794-2, IEC 60794-2-10, EN 187000
- fire behavior: class Dca s1 d1 a1 according to EN 50399 (classification according to EN 13501-6)
- variants fiber types: OS2, OM5, OM4, OM3
- each possible for 20 m as cable ring, 50 m on cardboard drum and 100 m on cardboard drum

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Weitere Dokumentation siehe / additional documentation see / documentation supplémentaire voir www.metz-connect.com

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Technical Data

General Data	
Fields of application	office areas fiber to the desk interior data center
Transmission technology	Fiber optic
Mode type of the fiber	Singlemode
Fiber class	OS2
Cable Type	connection cable
Number of cables/ buffered fibers	2
Number of fibres each cable/ wire	1
Weight	18 kg/km
Geometric characteristics	
Cable length (m)	20 m
Outer diameter cable jacket (mm)	5 mm
Outer diameter cable jacket (inch)	0.197 in.
Core-/ Fiber cladding diameter	2mm / 900 µm
Mechanical data	
strain relief	aramide yarn
Tensile strength during operation	120 N
Maximum installation load (max.)	240 N
Maximum installation load	25 mm
Maximum operating bending radius	7.5 mm
Impact resistance	2 Nm
Crush (compressive strength)	4000 N/100 mm
Fire load	320 MJ/km
Materials and material properties	
Material - Fiber jacket	LSHF
Halogen free	yes
Metal-free	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)		Dca

Classifications

ETIM 7.0	EC001263
ETIM 8.0	EC001263
ETIM 9.0	EC001263

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. At METZ CONNECT's request, the Customer shall submit and make available meaningful evidence (e.g. test and laboratory protocols, certifications, etc.).

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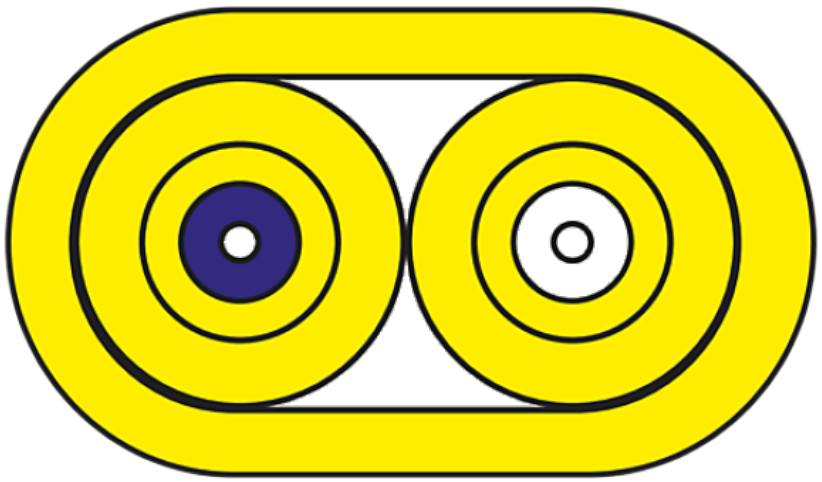

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