

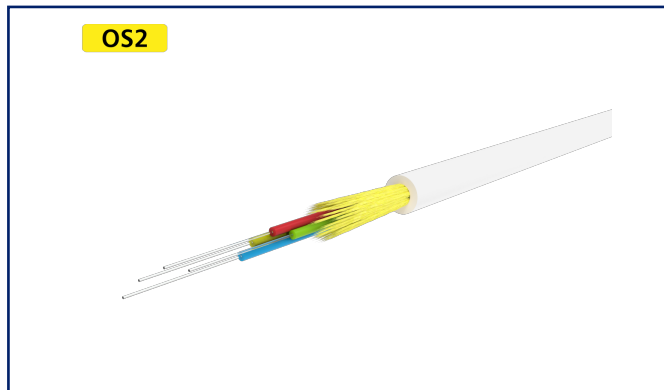
Data sheet

Page 1/4

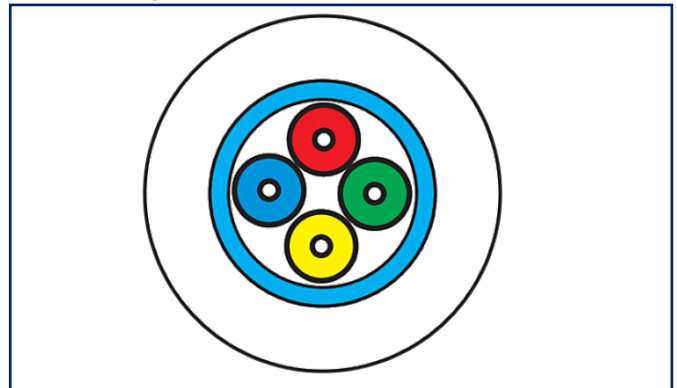
OpDAT mini-Breakoutkabel Compact 4x1 OS2 class D_{ca}

P/N
150C0049D010M
EAN 4251394653884
2025/06/17
Version: I

Illustrations



Principle diagram



See enlarged drawings at the end of document

Product specification

- compact mini breakout cable for indoor applications
- for horizontal and backbone cabling
- single mode fiber OS2, SM9/125 µm, bend insensitive according to IEC 60793-2-50 type B.1.3 and B6_a, compatible to ITU-T G.652.D
- with 4 colored semi-tight buffered fibers (dia. 0.9 mm) and aramid yarn for strain relief
- cable jacket halogen free with low smoke development and flame-extinguishing, LSHF (low smoke, halogen free)
- outer diameter: 4.2 mm
- color: white
- applicable standards: IEC 60794-2-20
- fire behaviour: class Dca s1a d0 a1 acc. to EN 50399 (classification acc. to EN 13501-6)
- variants: number of fibers with OS2: 4
- all available variants can be created with the configurator



Data sheet

**OpDAT mini-Breakoutkabel Compact 4x1 OS2
class D_{ca}**

P/N
150C0049D010M
EAN 4251394653884
2025/06/17
Version: I

Technical Data

General Data

Fields of application	office areas fiber to the desk 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	mini breakout cable compact
Number of cables/ buffered fibers	4
Number of fibres each cable/ wire	1
Weight	21 kg/km

Geometric characteristics

Outer diameter cable jacket (mm)	4.5 mm
Outer diameter cable jacket (inch)	0.177 in.
Core-/ Fiber cladding diameter	900 µm

Mechanical data

strain relief	aramide yarn
Tensile strength during operation	280 N
Maximum installation load (max.)	560 N
Maximum operating bending radius	15 mm
Impact resistance	3000 Nm
Torsion resistance	5 cycles ± 1 rotation
Fire load	370 MJ/km

Materials and material properties

Halogen free	yes
Metal-free	yes
UV-resistance	yes

**OpDAT mini-Breakoutkabel Compact 4x1 OS2
class D_{ca}**

P/N
150C0049D010M
EAN 4251394653884
2025/06/17
Version: I

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	-15 °C - 60 °C
Temperature - Installation °F	5 °F - 140 °F

Standards/Regulations

Common test methods for cables under fire conditions

Fire behaviour - class (EN 50399)



Dca

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

Data sheet

OpDAT mini-Breakoutkabel Compact 4x1 OS2
class D_{ca}

Page 4/4

P/N
150C0049D010M
EAN **4251394653884**
2025/06/17
Version: I

Illustrations

Principle diagram

