

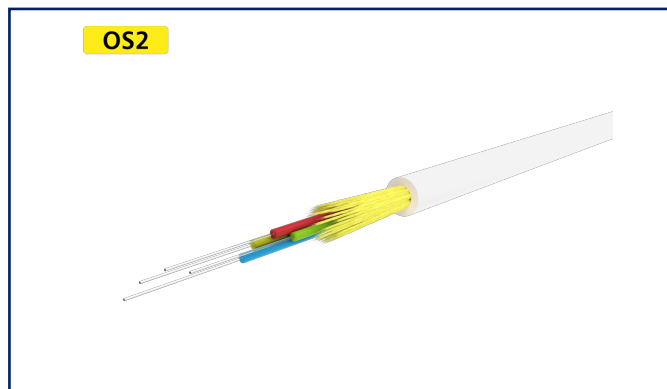
# Data sheet

## OpDAT mini-Breakoutkabel Compact 4x1 OS2 class D<sub>ca</sub>

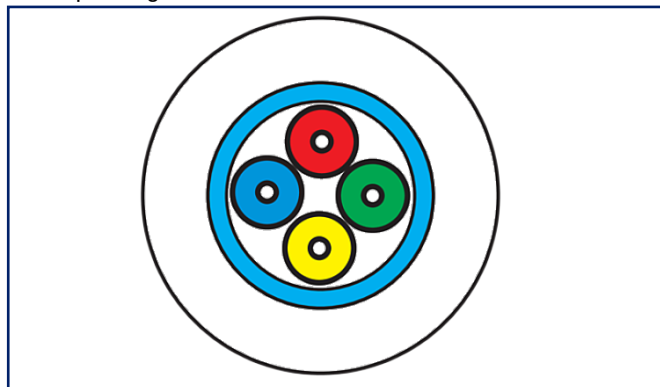
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P/N  
150C0049D010M  
EAN 4251394653884  
2026/09/28  
Version: J

### 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



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## Technical Data

### General Data

|                                   |                                                                              |
|-----------------------------------|------------------------------------------------------------------------------|
| Fields of application             | office areas<br>fiber to the desk<br>interior<br>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 |



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### 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.



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Principle diagram

