

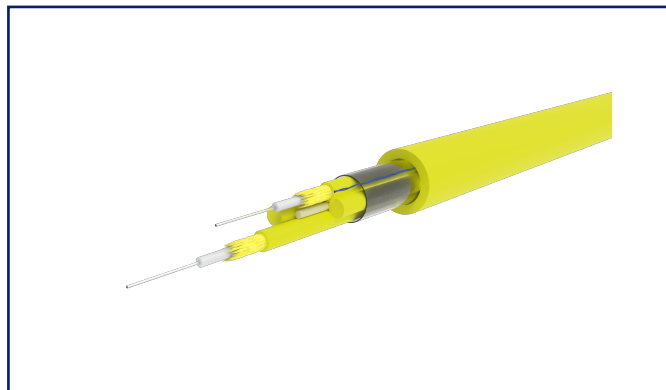
# Data sheet

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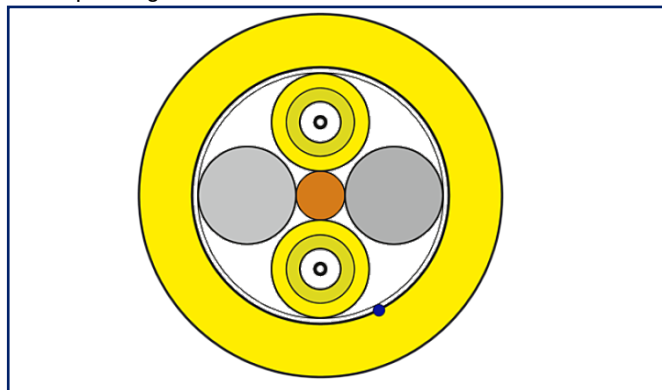
## OpDAT breakout cable 2x1 OS2 class D<sub>ca</sub>

P/N  
150B0029D010M  
EAN 4251394653624  
2026/09/29  
Version: M

### Illustrations



Principle diagram



See enlarged drawings at the end of document

### Product specification

- connection cable I-V(ZN)HH
- breakout cable for direct connector termination for indoors and outdoors
- bend insensitive fiber
- cable jacket: LSHF-FR
- UV-resistant, metal-free, longitudinally watertight
- cable structure: several separately strain relieved cables in one outer jacket
- strain relief: aramid
- applicable standards: EN 50173-1, ISO 11801 2nd edition, IEC 60794-2, IEC 60794-2-10, EN 187000
- fire behaviour: class Dca s1 d1 a1 acc. to EN 50399 (classification acc. to EN 13501-6)
- variants: number of OS2 fibers: 2x1, 4x1, 8x1, 12x1, 24x1
- variants: number of OM5 fibers: 4x1, 8x1, 12x1
- variants: number of OM4 fibers: 2x1, 4x1, 8x1, 12x1, 24x1
- variants: number of OM3 fibers: 2x1, 4x1, 8x1, 12x1, 24x1
- all available variants can be created with the configurator



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## Technical Data

### General Data

|                                   |                                                         |
|-----------------------------------|---------------------------------------------------------|
| Fields of application             | interior<br>structured building cabling<br>office areas |
| Transmission technology           | Fiber optic                                             |
| Mode type of the fiber            | Singlemode                                              |
| Fiber class                       | OS2                                                     |
| Cable Type                        | breakout cable                                          |
| Number of cables/ buffered fibers | 2                                                       |
| Number of fibres each cable/ wire | 1                                                       |
| Weight                            | 60 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     | 2mm / 900µm |

### Mechanical data

|                                   |                       |
|-----------------------------------|-----------------------|
| strain relief                     | aramide yarn          |
| Tensile strength during operation | 450 N                 |
| Maximum installation load (max.)  | 1300 N                |
| Maximum installation load         | 75 mm                 |
| Maximum operating bending radius  | 130 mm                |
| Impact resistance                 | 5 J                   |
| Crush (compressive strength)      | 1500 N/100 mm         |
| Torsion resistance                | 5 cycles ± 1 rotation |
| Fire load                         | 870 MJ/km             |

### Materials and material properties

|               |     |
|---------------|-----|
| 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    | -20 °C - 70 °C  |
| Temperature - Operating °F    | -4 °F - 158 °F  |
| Temperature - Installation °C | -20 °C - 70 °C  |
| Temperature - Installation °F | -4 °F - 158 °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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**Illustrations**

Principle diagram

