

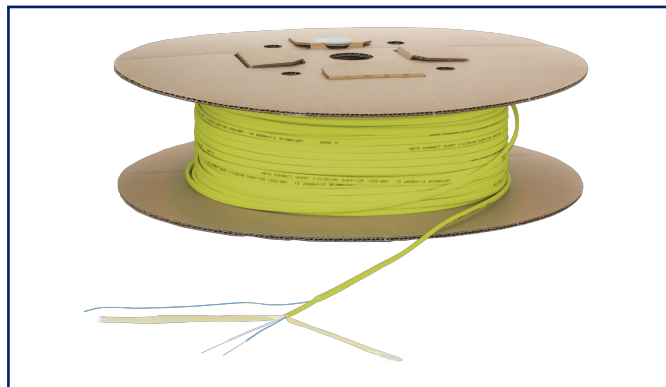
# Data sheet

OpDAT connection cable 2x1 OM5  
class D<sub>ca</sub> 50.0 m

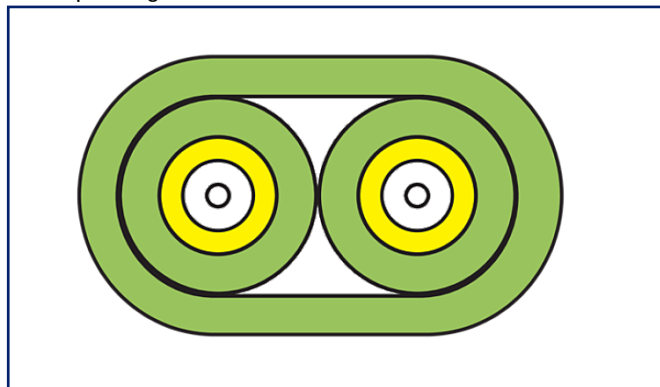
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P/N  
150R2D0050M  
EAN 4251394654324  
2025/06/23  
Version: H

## 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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## Technical Data

### General Data

|                                   |                                                              |
|-----------------------------------|--------------------------------------------------------------|
| Fields of application             | office areas<br>fiber to the desk<br>interior<br>data center |
| Transmission technology           | Fiber optic                                                  |
| Mode type of the fiber            | Multimode                                                    |
| Fiber class                       | OM5                                                          |
| 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)                   | 50 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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