

## Data sheet

OpDAT patch cord 2x1 OM5  
class D<sub>ca</sub> 20.0 m

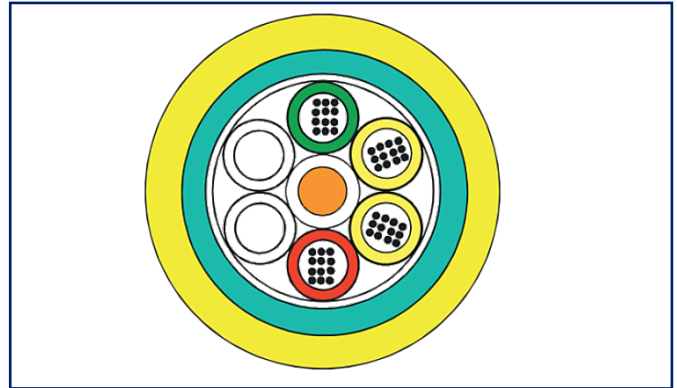
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P/N  
150R1D0020M  
EAN 4251394654287  
2025/06/23  
Version: I

### Illustrations



Principle diagram



See enlarged drawings at the end of document

### Product specification

- connecting cable I-V(ZN)H
- duplex 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
- 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
- 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	fiber to the desk office areas interior data center
Transmission technology	Fiber optic
Mode type of the fiber	Multimode
Fiber class	OM5
Cable Type	patch cord
Number of cables/ buffered fibers	2
Number of fibres each cable/ wire	1
Weight	8 kg/km

**Geometric characteristics**

Cable length (m)	20 m
Outer diameter cable jacket (mm)	4.2 mm
Outer diameter cable jacket (inch)	0.165 in.
Core-/ Fiber cladding diameter	2 mm / 900 µm

**Mechanical data**

strain relief	aramide yarn
Tensile strength during operation	120 N
Maximum installation load (max.)	240 N
Maximum installation load	20 mm
Maximum operating bending radius	7.5 mm
Impact resistance	1 Nm
Crush (compressive strength)	2000 N/100 mm
Torsion resistance	5 cycles ± 1 rotation
Fire load	180 MJ/km

**Materials and material properties**

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
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**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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