

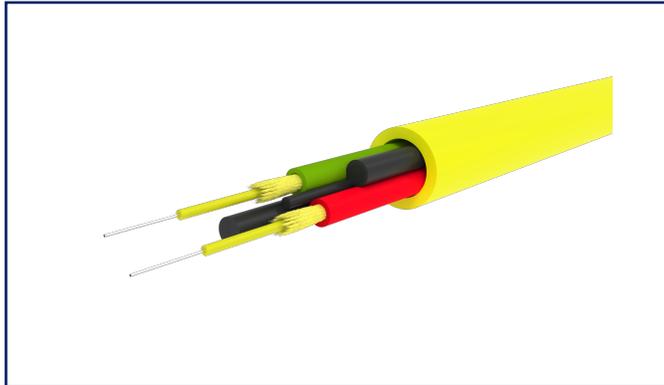
# Data sheet

## OpDAT industrial cable 2x1 OS2

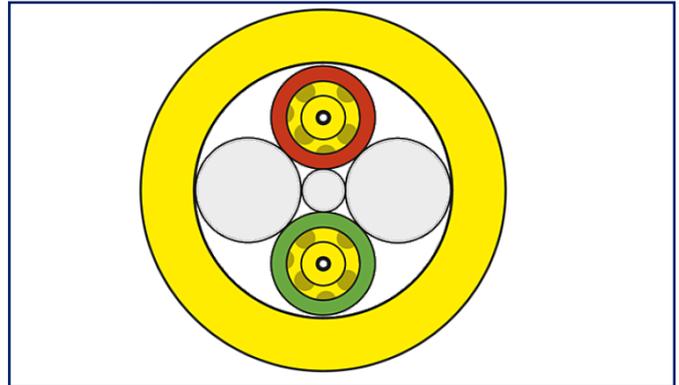
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P/N  
150I00290010M  
EAN 4251394653778  
2025/06/17  
Version: I

### Illustrations



Principle diagram



See enlarged drawings at the end of document

### Product specification

- industrial cable I-V(ZN)Y11Y2
- duplex cable with high abrasion resistance and chemical resistance for use as connecting cable or patch cable
- laser optimized, bend insensitive fiber (not as OM2)
- UV-, oil-, ozone- resistant and waterproof
- cable jacket: TPE-U (polyurethan)
- cable structure: two separately strain relieved cables in one outer jacket
- strain relief: aramid
- applicable standards: EN 50173-1, ISO 11801 2nd edition, ASTM-Öl No. 2 (to ISO 1817), DIN VDE 0473, part 811-2-1UV, DIN VDE 0472, part 805, category B, DIN EN ISO 4892-2, method A
- variants: yellow (OS2), orange (OM2), aqua (OM3), other on request
- all available variants can be created with the configurator



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**Technical Data**

**General Data**

Fields of application	harsh environment
Transmission technology	Fiber optic
Mode type of the fiber	Singlemode
Fiber class	OS2
Cable Type	Industry patch cables
Number of cables/ buffered fibers	2
Number of fibres each cable/ wire	1
Weight	80 kg/km

**Geometric characteristics**

Outer diameter cable jacket (mm)	9.4 mm
Outer diameter cable jacket (inch)	0.37 in.
Core-/ Fiber cladding diameter	2,8 mm / 900 µm

**Mechanical data**

strain relief	aramide yarn
Tensile strength during operation	600 N
Maximum installation load	141 mm
Maximum operating bending radius	94 mm
Crush (compressive strength)	1000 N/100 mm

**Materials and material properties**

Material - Fiber jacket	PVC
Halogen free	yes
Metal-free	yes
UV-resistance	yes
Oil resistance	yes

**Environmental conditions**

Temperature (min. - max.)	
Temperature - Storage °C	-25 °C - 70 °C
Temperature - Storage °F	-13 °F - 158 °F
Temperature - Operating °C	-10 °C - 70 °C
Temperature - Operating °F	14 °F - 158 °F
Temperature - Installation °C	-5 °C - 50 °C

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**Technical Data**

**Environmental conditions**

Temperature (min. - max.)	
Temperature - Installation °F	23 °F - 122 °F

**Standards/Regulations**

Common test methods for cables under fire conditions	
Fire behaviour - class (EN 50399)	Fca
	

**Classifications**

ETIM 7.0	EC000034
ETIM 8.0	EC000034

**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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