

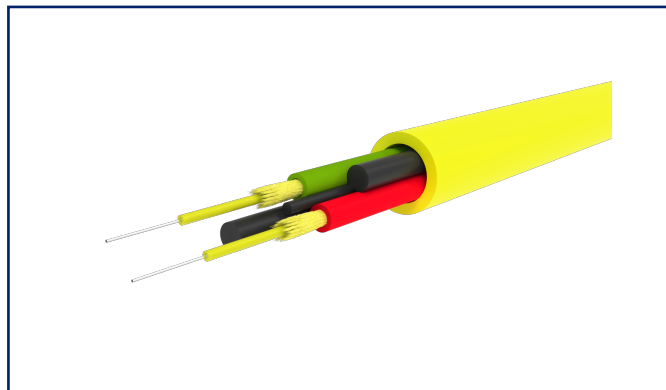
Data sheet

OpDAT industrial cable 2x1 OS2

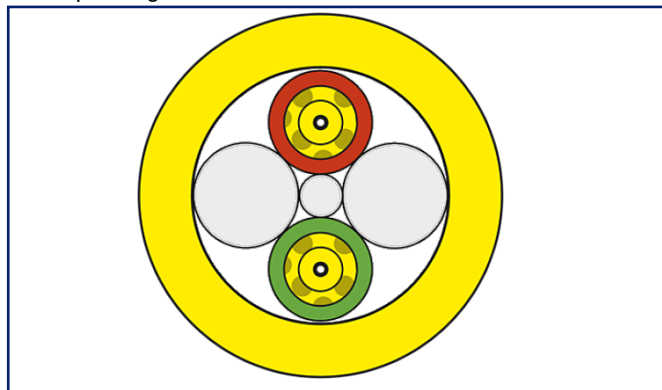
Page 1/4

P/N
150I00290010M
EAN 4251394653778
2026/09/28
Version: J

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



Data sheet

OpDAT industrial cable 2x1 OS2

Page 2/4

P/N
150I00290010M
EAN 4251394653778
2026/09/28
Version: J

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
Jacket color	yellow

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



Data sheet

OpDAT industrial cable 2x1 OS2

Page 3/4

P/N
150I00290010M
EAN 4251394653778
2026/09/28
Version: J

Technical Data

Environmental conditions

Temperature (min. - max.)

Temperature - Installation °C -5 °C - 50 °C

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

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.



Data sheet

Page 4/4

OpDAT industrial cable 2x1 OS2

P/N

150I00290010M**EAN 4251394653778**

2026/09/28

Version: J

Illustrations

Principle diagram

