

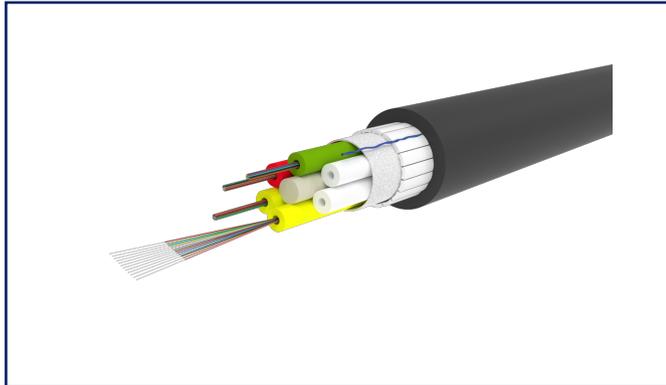
# Data sheet

## OpDAT outdoor cable 4x12 OS2 class F<sub>ca</sub>

Page 1/4

P/N  
150A04890120M  
EAN 4251394653877  
2025/06/17  
Version: K

### Illustrations



Principle diagram



See enlarged drawings at the end of document

### Product specification

- OpDAT outdoor cable
- installation cable A-DQ(ZN)B2Y
- outdoor cable with stranded loose tube (48 fibres)
- cable structure: filled loose tube
- cable diameter with stranded loose tubes: Ø 11.0 mm
- stranded loose tubes: loose tubes grouped around a glass fiber reinforced plastic stick with a dia. of 2.5 mm
- bend insensitive fiber
- UV-resistant, metal-free, longitudinally waterproof, tensile strength and rodent repellent
- cable jacket: LLDPE
- strain relief: longitudinally waterproof wrapping, glass roving elements
- cable for laying in ducts or directly in the ground
- applicable standards: ISO 11801-1, EN50173-1:2002, IEC 60794-1
- all available variants can be created with the configurator



# OpDAT outdoor cable 4x12 OS2 class F<sub>ca</sub>

P/N  
**150A04890120M**  
**EAN 4251394653877**  
 2025/06/17  
 Version: K

## Technical Data

### General Data

Fields of application	structured building cabling
Transmission technology	Fiber optic
Color coding fiber/ wire(s)	IEC 60304
Mode type of the fiber	Singlemode
Fiber class	OS2
Cable Type	Outdoor cable
Number of cables/ buffered fibers	48
Number of fibres each cable/ wire	12
Weight	103 kg/km

### Geometric characteristics

Outer diameter cable jacket (mm)	11 mm
Outer diameter cable jacket (inch)	0.433 in.
Core-/ Fiber cladding diameter	250 µm

### Mechanical data

strain relief	stranded strain relief elements
Tensile strength during operation	3500 N
Maximum installation load (max.)	5000 N
Maximum installation load	190 mm
Impact resistance	20 Nm
Crush (compressive strength)	2000 N/100 mm
Torsion resistance	5 cycles ± 1 rotation

### Materials and material properties

Rodent protection	rodent proof
Halogen free	yes
Metal-free	yes
UV-resistance	yes

**OpDAT outdoor cable 4x12 OS2 class F<sub>ca</sub>**

P/N  
**150A04890120M**  
**EAN 4251394653877**  
 2025/06/17  
 Version: K

**Technical Data**

**Environmental conditions**

Temperature (min. - max.)	
Temperature - Storage °C	-40 °C - 70 °C
Temperature - Storage °F	-40 °F - 158 °F
Temperature - Operating °C	-30 °C - 70 °C
Temperature - Operating °F	-22 °F - 158 °F
Temperature - Installation °C	-15 °C - 70 °C
Temperature - Installation °F	5 °F - 158 °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. At METZ CONNECT's request, the Customer shall submit and make available meaningful evidence (e.g. test and laboratory protocols, certifications, etc.).

Data sheet

Page 4/4

OpDAT outdoor cable 4x12 OS2 class F<sub>ca</sub>

P/N

150A04890120M

EAN 4251394653877

2025/06/17

Version: K

## Illustrations

Principle diagram

