# Data sheet

## OpDAT outdoor cable 1x24 OS2 class $F_{ca}$

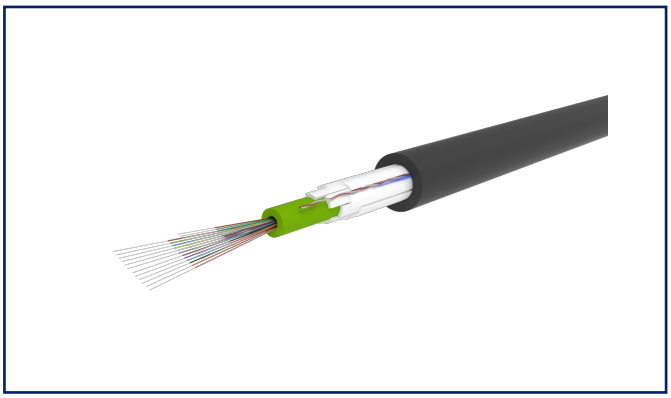
**P/N 150A02490240M**

**EAN 4251394653860**

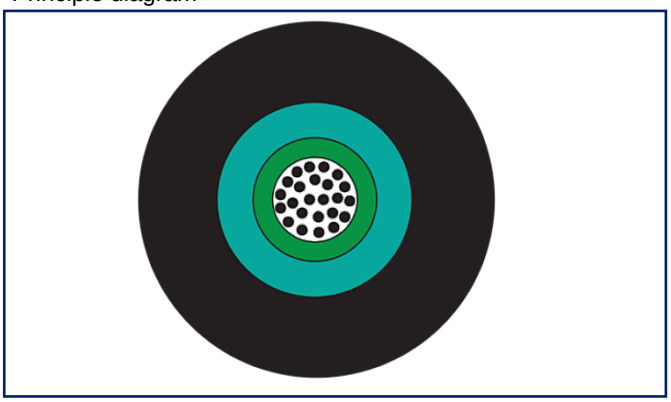
2025/06/17

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 central loose tube (up to 24 fibres)
- cable structure: filled loose tube
- cable diameter up to 24 fibres: Ø 7.0 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

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Weitere Dokumentation siehe / additional documentation see / documentation supplémentaire voir www.metz-connect.com

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## 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 | 24 |
| Number of fibres each cable/ wire | 24 |
| Weight | 40 kg/km |
| **Geometric characteristics** | |
| Outer diameter cable jacket (mm) | 7 mm |
| Outer diameter cable jacket (inch) | 0.276 in. |
| Core-/ Fiber cladding diameter | 250 µm |
| **Mechanical data** | |
| strain relief | central tension element |
| Tensile strength during operation | 1000 N |
| Maximum installation load | 140 mm |
| Maximum operating bending radius | 70 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 repellent |
| Halogen free | yes |
| Metal-free | yes |
| UV-resistance | yes |

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## Technical Data

### Environmental conditions

| | | |
|---|---|---|
| Temperature (min. - max.) | | |
| Temperature - Storage °C | -40 °C - 60 °C | |
| Temperature - Storage °F | -40 °F - 140 °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.).

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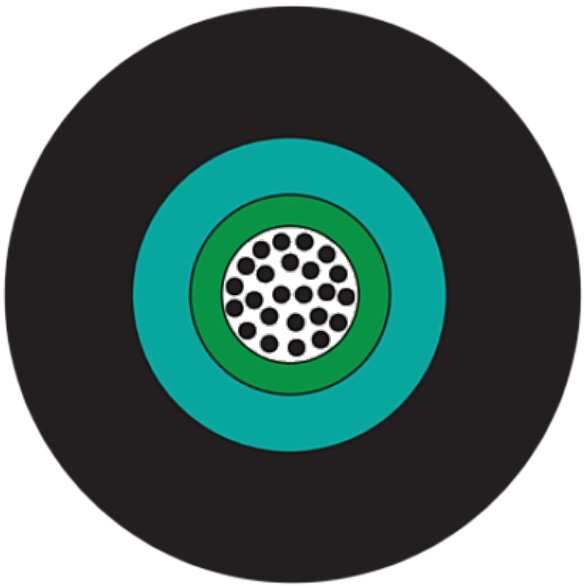

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