Data sheet

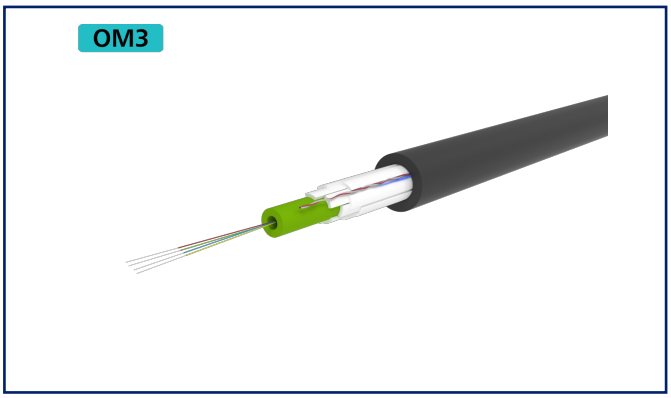
OpDAT outdoor cable 1x4 OM3 class F_{ca}

P/N 150A00450120M

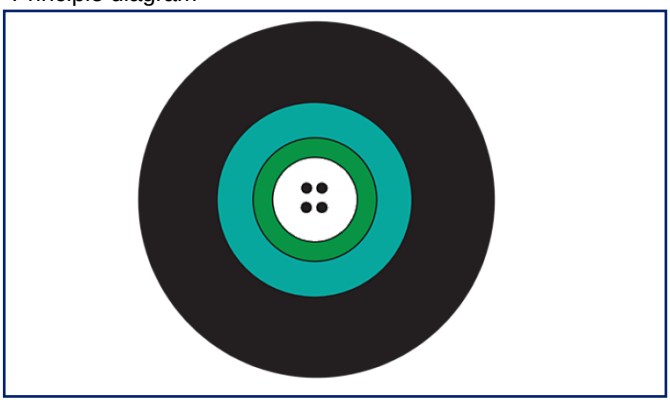
EAN 4251394653785

2026/09/28

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

METZ CONNECT GmbH | Im Tal 2 | 78176 Blumberg | Germany
Phone +49 7702 533-0 | Fax +49 7702 533-433 | info@metz-connect.com
Weitere Dokumentation siehe / additional documentation see / documentation supplémentaire voir www.metz-connect.com

© 2026 METZ CONNECT - Technische Änderungen vorbehalten! Subject to modifications! Sous réserve de modifications techniques!

OpDAT outdoor cable 1x4 OM3 class F_{ca}

P/N 150A00450120M
EAN 4251394653785
2026/09/28

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	Multimode
Fiber class	OM3
Cable Type	Outdoor cable
Number of cables/ buffered fibers	4
Number of fibres each cable/ wire	12
Weight	40 kg/km
Jacket color	black
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

© 2026 METZ CONNECT - Technische Änderungen vorbehalten! Subject to modifications! Sous réserve de modifications techniques!

OpDAT outdoor cable 1x4 OM3 class F_{ca}

P/N
150A00450120M
EAN 4251394653785
2026/09/28

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.

© 2026 METZ CONNECT - Technische Änderungen vorbehalten! Subject to modifications! Sous réserve de modifications techniques!

METZ CONNECT GmbH | Im Tal 2 | 78176 Blumberg | Germany
Phone +49 7702 533-0 | Fax +49 7702 533-433 | info@metz-connect.com

OpDAT outdoor cable 1x4 OM3 class F_{ca}

P/N
150A00450120M
EAN 4251394653785
2026/09/28

Illustrations

Principle diagram



© 2026 METZ CONNECT - Technische Änderungen vorbehalten! Subject to modifications! Sous réserve de modifications techniques!

METZ CONNECT GmbH | Im Tal 2 | 78176 Blumberg | Germany
Phone +49 7702 533-0 | Fax +49 7702 533-433 | info@metz-connect.com