

Data sheet

OpDAT patch cord 2x1 OM3 - bend insensitive

Page 1/6

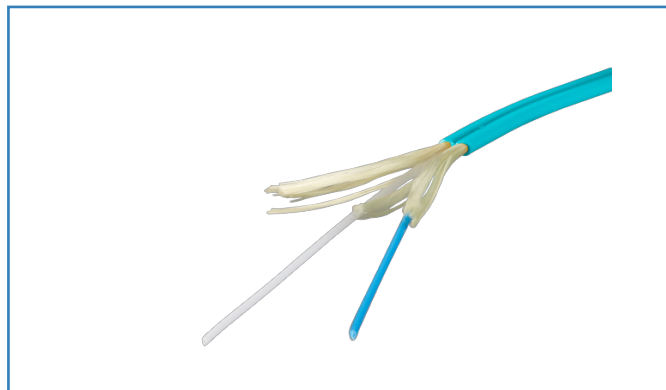
P/N

150J1000M

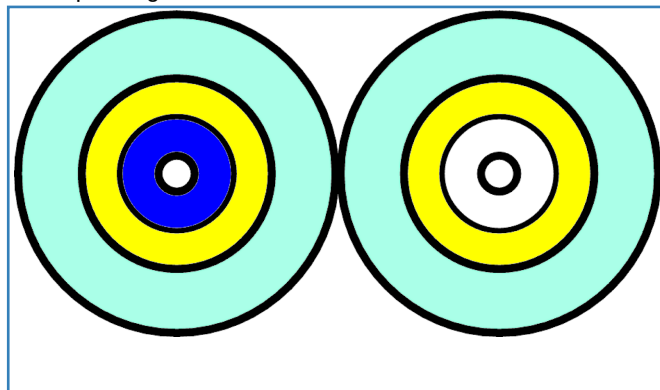
EAN 4250184145561

2018-13-03

Illustrations



Principle diagram



See enlarged drawings at the end of document

Product specification

- installation cable I-V(ZN)H
- duplex cables for connection or distribution
- laser-optimized fibers
- bending resistant fiber
- cable sheath: LSHF-FR
- cable structure: figure 8 patch cable
- strain relief: aramide
- applicable standards: EN 50173-1, ISO 11801 2nd edition, IEC 60794-2, IEC 60794-2-20, EN 187000
- variants: yellow (OS2), lime green (OM5), violet (OM4), aqua (OM3), orange (OM2)



Data sheet

Page 2/6

OpDAT patch cord 2x1 OM3 - bend insensitive

P/N

150J1000M

EAN 4250184145561

2018-13-03

Technical Data

General Data

Fields of application

Structured building cabling, Office
Data center

Design

Installation cables

Transmission technology

Fiber optic

Color

aqua

Color coding fiber/ wire(s)

see table

Mode type of the fiber

Multimode

Fiber class

OM3: ISO/IEC 11801/EN 50173 & IEC 60793-2-10/EN
60793-2-10 A1.a.2

Cable Type

Duplex cable

Number of cables/ cores

1

Number of fibres each cable/ wire

2

Fiber construction

50/125 µm

Weight

8.00 kg/km

Connections/interfaces

Connector technology interface 1

Free line end

Connector technology interface 2

Free line end

Cable sheath diameter (min. - max.)

Cable sheath diameter

2.0 x 4.2 mm

Cable sheath diameter

0.079 x 0.157 in.

Optical characteristics

Attenuation of the fiber

Attenuation of the fiber in the cable at 850 nm

max. 3.0 dB/km

Attenuation of the fiber in the cable at 1300 nm

max. 1.0 dB/km

Maximum value of cable attenuation at 850 nm

3.0 dB/km

Maximum value of cable attenuation at 1300 nm

1.0 dB/km

Mechanical characteristics

strain relief

aramide fibres

Maximum installation load (max.)

240 N

Maximum installation load

15.00 mm

Maximum installation load

0.591 in.



OpDAT patch cord 2x1 OM3 - bend insensitive

P/N

150J1000M

EAN 4250184145561

2018-13-03

Technical Data

Materials and material properties

Material - Cable jacket	LSHF-FR
Bend insensitivity	yes
Flame retardancy	yes
Halogen free	yes
Laser-optimized	yes

Environmental conditions

Temperature (min. - max.)	
Temperature - Storage °C	-40 - 70 °C
Temperature - Storage °F	-40 - 158 °F
Temperature - Operating °C	-40 - 70 °C
Temperature - Operating °F	-40 - 158 °F
Temperature - Installation °C	-40 - 70 °C
Temperature - Installation °F	-40 - 158 °F

Approvals

RoHS	compliant
------	-----------

The product meets the following standards

Generic cabling systems	
General requirements	ISO/IEC 11801
Optical fibers: Product specifications	
Sectional specification for category A1 multimode fibres	ISO/IEC 60793-2-10 (A1a.2)
Optical fibers: Sectional specification	
Indoor cables	ISO/IEC 60794-2
Optical fibers: Indoor optical cables	
Family specification for multi-fibre optical cables	ISO/IEC 60794-2-20
Test on gases evolved during combustion of materials from cables	
Determination of acidity (by measuring the pH value) and conductivity	IEC 60754-2



OpDAT patch cord 2x1 OM3 - bend insensitive

P/N

150J1000M

EAN 4250184145561

2018-13-03

Technical Data

The product meets the following standards

Tests on electric and optical fibre cables under fire conditions

Test for vertical flame propagation for a single insulated wire or cable	ISO/IEC 60332-1-2
--	-------------------

Test for vertical flame spread of vertically-mounted bunched wires or cables	ISO/IEC 60332-3-24
--	--------------------

Measurement of smoke density of cables burning	ISO/IEC 61034
--	---------------

ITU-T standard	G.651.1
----------------	---------

TIA/ANSI-492	AAAC
--------------	------

Classifications

ETIM 5.0	EC000034
----------	----------

ETIM 6.0	EC000034
----------	----------

Packing details

Type of packaging	1 meter / plastic bag
-------------------	-----------------------

Packaging dimension (W x H x D)	300.00 x 200.00 x 50.00 mm
---------------------------------	----------------------------

Packaging dimension (W x H x D)	11.811 x 7.874 x 1.969 in.
---------------------------------	----------------------------



P | Cabling

Data sheet

OpDAT patch cord 2x1 OM3 - bend insensitive

Page 5/6

P/N

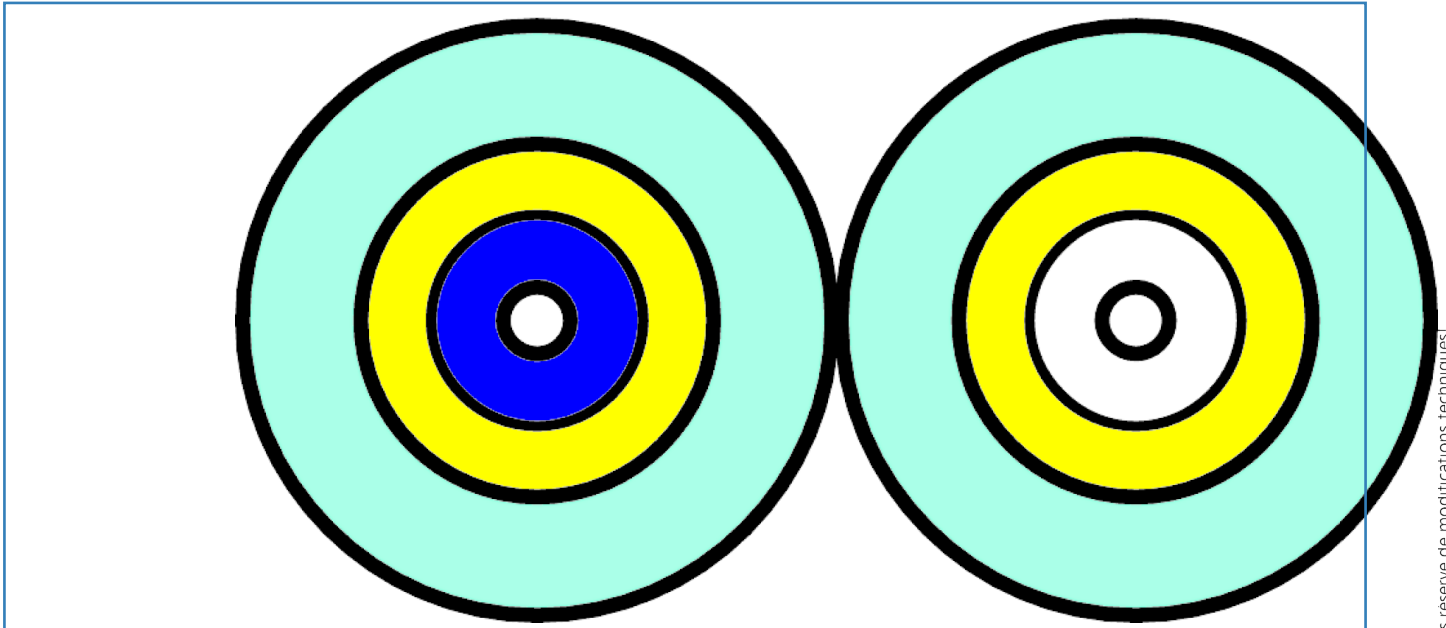
150J1000M

EAN 4250184145561

2018-13-03

Illustrations

Principle diagram



© 2018 METZ CONNECT - Technische Änderungen vorbehalten! Subject to modifications! Sous réserve de modifications techniques!



OpDAT patch cord 2x1 OM3 - bend insensitive

P/N

150J1000M

EAN 4250184145561

2018-13-03

Fiber color coding

Fiber color code		
	1	natural
	2	blue

