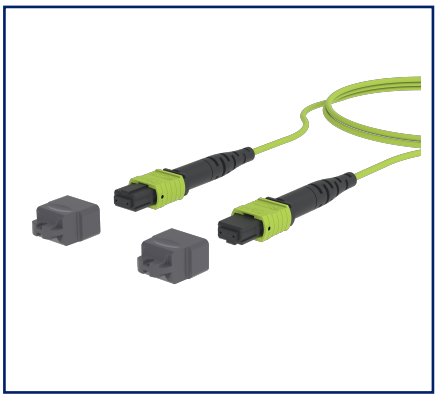
Data sheet

OpDAT patch cord MTP-F/MTP-F OM5, 8 fibres

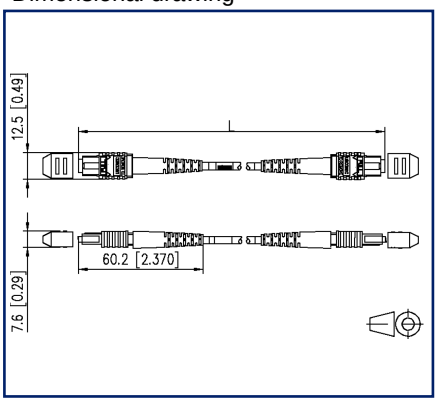
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2026/09/17
Version: H

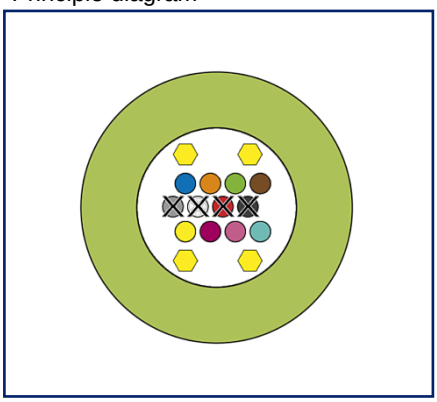
Illustrations



Dimensional drawing



Principle diagram



See enlarged drawings at the end of document

Product specification

- patch cord with 8 OM5 fibers, assembled on both sides with MPO/MTP® connectors, lime green housing color
- with MM-Elite® ferrules
- Female connectors (without pins) as standard. Variants with male connectors (with pins) are possible.
- available in assignment variants polarity A or B
- suitable for transmissions of e.g. 4x25 Gbit/s (depending on transceiver technology)
- Cable with aramid fabric, suitable for indoor applications. Diameter available in Ø 2.0 mm and Ø 3.0 mm, sheath color lime green, UV stabilized, flame retardant and halogen free.
- Fiber type: Bend insensitive multi mode fiber, G50/125 µm, OM5 (IEC 11801), IEC 60793-2-10 A1a.4, ITU-T G.651.1.
- 100 % tested for insertion loss, return loss and end face geometry
- all patch cords are provided with serial number, barcode and measurement protocol
- all available variants can be created with the MTP® configurator
- MTP® is a registered trademark of US Conec Ltd., USA

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OpDAT patch cord MTP-F/MTP-F OM5, 8 fibres

P/N 151RX8F8F0XXY

2026/09/17
Version: H

Technical Data

General Data

Fields of application	Industrial Ethernet data center
Mechanical measurement according to MICE	M1
Ingress measurement according to MICE	I1
Climatic measurement according to MICE	C1
Electromagnetic measurement according to MICE	E3
Design	patch cord
Transmission technology	Fiber optic
Wiring	Polarity A or B
Color	lime green
Color coding fiber/ wire(s)	EIA/TIA 598
Dimensions	
Dimension - Interface 1 (L x W x H)	60.4 mm x 12.5 mm x 7.6 mm
Dimension - Interface 1 (L x W x H)	2.378 in. x 0.492 in. x 0.299 in.
Dimension - Interface 2 (L x W x H)	60.4 mm x 12.5 mm x 7.6 mm
Dimension - Interface 2 (L x W x H)	2.378 in. x 0.492 in. x 0.299 in.
Mode type of the fiber	Multimode
Fiber class	OM5
Cable Type	MPO/MTP® cable
Number of fibres each cable/ wire	8
Fiber construction	50/125 µm
Minimum length	0.5 m
Maximum length	100 m

Connections/interfaces

Connector technology interface 1	MPO/MTP®
Connector technology interface 2	MPO/MTP®
Cable sheath diameter (min. - max.)	
Cable sheath diameter	3 mm - 3 mm
Cable sheath diameter	0.07 in. - 0.07 in.

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OpDAT patch cord MTP-F/MTP-F OM5, 8 fibres

P/N 151RX8F8F0XXY

2026/09/17
Version: H

Technical Data

Optical characteristics	
Insertion loss	max. 0,35 dB
Return loss	min. 35 dB
Mechanical data	
strain relief	aramide fibres
Permanent tensile strength	70 N
Minimum bending radius	15 mm
Minimum bending radius	0.59 in.
Bending radius without load	min. 30 mm
Bending radius with load	min. 40 mm
Materials and material properties	
Flame retardancy	yes
Halogen free	yes
RoHS	compliant
Environmental conditions	
Temperature (min. - max.)	
Temperature - Storage °C	-10 °C - 60 °C
Temperature - Storage °F	14 °F - 140 °F
Temperature - Operating °C	-10 °C - 60 °C
Temperature - Operating °F	14 °F - 140 °F
Temperature - Installation °C	-10 °C - 60 °C
Temperature - Installation °F	14 °F - 140 °F
Standards/Regulations	
Generic cabling systems	
General requirements	ISO/IEC 11801 cat. OM5
Fibre optic connector interfaces	IEC 61754-7
Optical fibers: Product specifications	
Sectional specification for category A1 multimode fibres	ISO/IEC 60793-2-10 (A1a.2)
ITU-T standard	G.651.1

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OpDAT patch cord MTP-F/MTP-F OM5, 8 fibres

P/N
151RX8F8F0XXY

2026/09/17
Version: H

Technical Data

Classifications

ETIM 7.0	EC001263
ETIM 8.0	EC001263

Packing details

Type of packaging	1 pc(s) / plastic bag

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.

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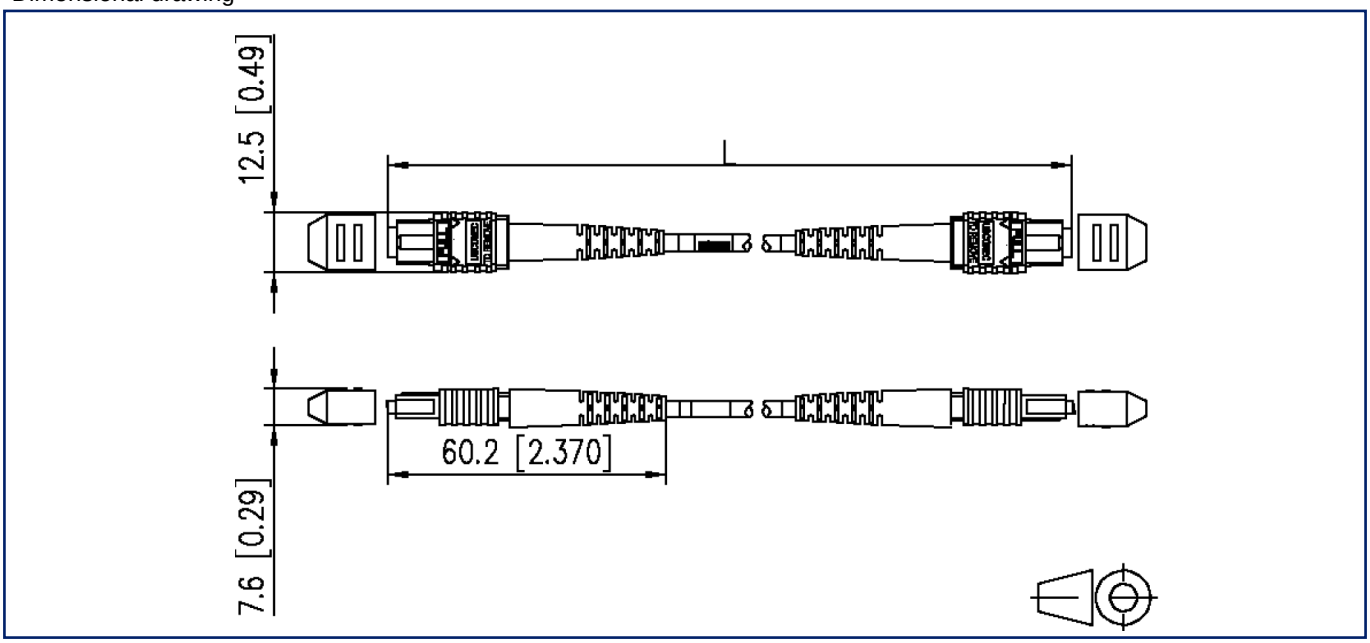
OpDAT patch cord MTP-F/MTP-F OM5, 8 fibres

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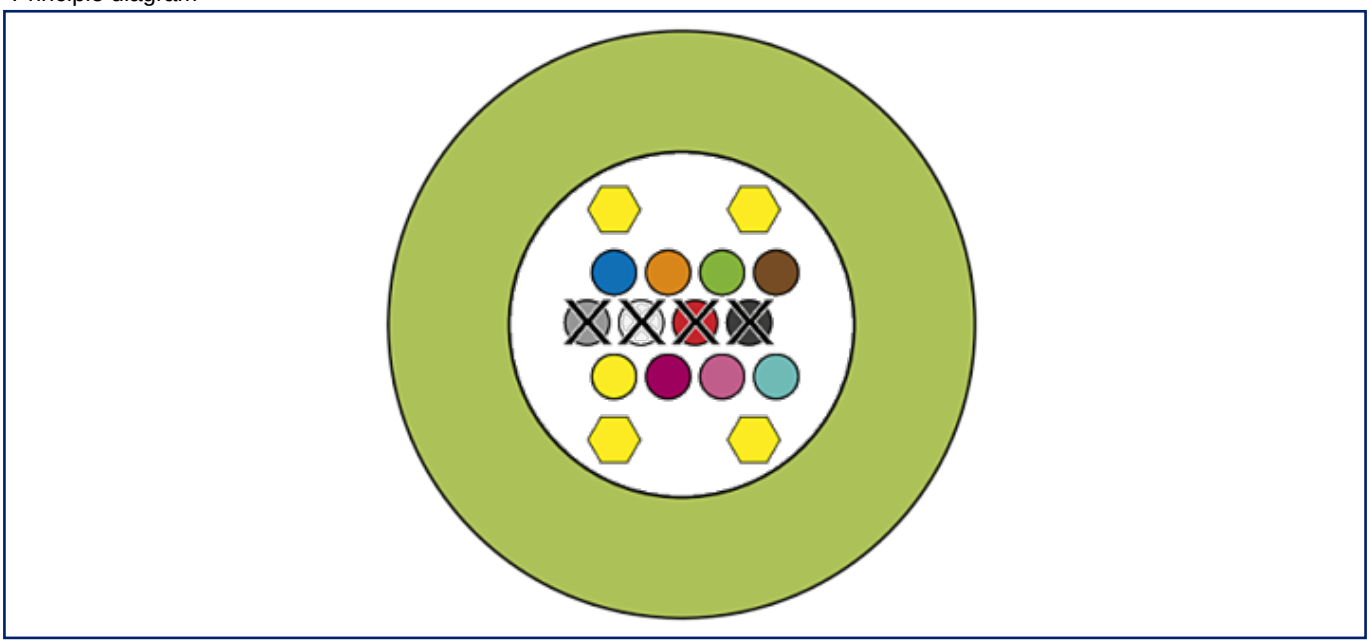
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Principle diagram



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