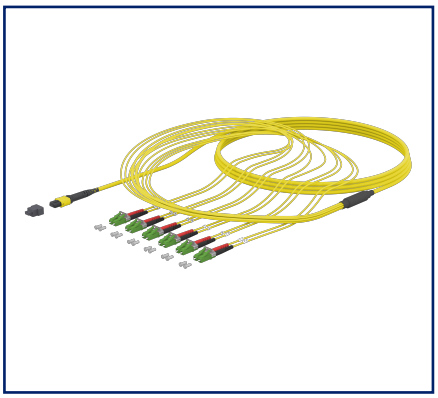
Data sheet

OpDAT cable fanout, 1xMTP-F/6xLC-D APC OS2

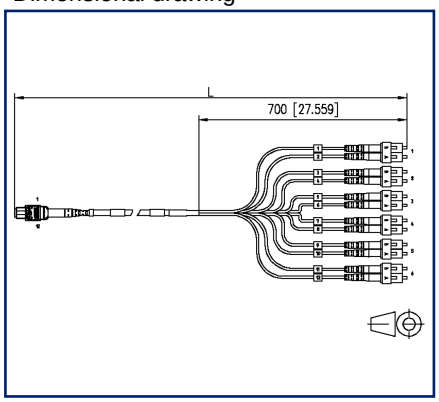
P/N
152PPTFJAXYYZZ

2026/09/17
Version: I

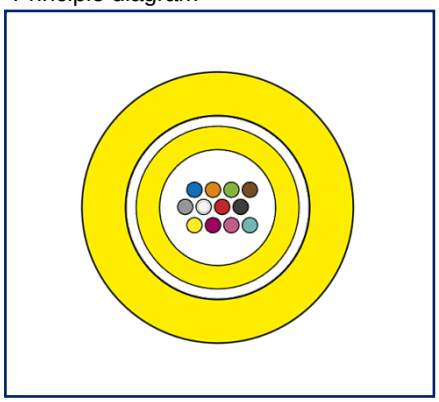
Illustrations



Dimensional drawing



Principle diagram



See enlarged drawings at the end of document

Product specification

- Cable fanout with 12 SM fibers, assembled with one MPO/MTP® connector and 6 LC-APC duplex connectors.
- Plastic divider as transition to fanout, consisting of individual cables with Ø 2 mm, length 0.7 m
- Female connector (without pins) as standard. Variants with male connector (with pins) are possible.
- Available in the assignment variant polarity A or B.
- A insertion aid incl. fastening set is optionally available on the MTP side.
- Suitable for transmissions of e.g. 100 Gbit/s (depending on transceiver technology).
- Cable with aramid yarn, suitable for indoor applications.
- Diameter available in Ø 3.0 mm and Ø 4.5 mm.
- UV stabilized, flame retardant and halogen free.
- Fiber type: Singlemode fiber, E9/125 µm, OS2 (IEC 11801), IEC 60793-2-50 B.1.3 and B.6_a, bend insensitive according to ITU-T G657.A1, compatible to ITU-T G.652.D.
- 100 % tested for insertion loss, return loss and end face geometry
- all fanouts 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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Technical Data

General Data

Fields of application	interior 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	breakout cable
Transmission technology	Fiber optic
Color	yellow
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 7.5 mm
Dimension - Interface 1 (L x W x H)	2.378 in. x 0.492 in. x 0.295 in.
Dimension - Interface 2 (L x W x H)	50.5 mm x 10.6 mm x 10.7 mm
Dimension - Interface 2 (L x W x H)	1.988 in. x 0.417 in. x 0.421 in.
Mode type of the fiber	Singlemode
Fiber class	OS2
Cable Type	MPO/MTP® cable
Number of cables/ buffered fibers	1
Number of fibres each cable/ wire	12
Shape	APC (Angled Physical Contact)
Fiber construction	9/125 µm

Connections/interfaces

Connector technology interface 1	MPO/MTP® Pol.A
Connector technology interface 2	LC-D APC
Number of ports interface 2	6
Cable sheath diameter (min. - max.)	
Cable sheath diameter	4.5

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Optical characteristics	
Insertion loss	max. 0,35 dB
Return loss	min. 60 dB
Mechanical data	
Permanent tensile strength	1000 N
Bending radius without load	min. 68 mm
Bending radius with load	min. 90 mm
Crush (compressive strength)	1200 N/100 mm

Materials and material properties	
Material - Coupler housing	Plastics
Halogen free	yes
Metal-free	yes
UV-resistance	yes
RoHS	compliant

Environmental conditions	
Temperature (min. - max.)	
Temperature - Storage °C	-25 °C - 70 °C
Temperature - Storage °F	-13 °F - 158 °F
Temperature - Operating °C	-10 °C - 70 °C
Temperature - Operating °F	14 °F - 158 °F
Temperature - Installation °C	-5 °C - 50 °C
Temperature - Installation °F	23 °F - 122 °F
Standards/Regulations	
Fibre optic connector interfaces	IEC 61754-7
Classifications	
ETIM 7.0	EC002700
ETIM 8.0	EC002700
ETIM 9.0	EC002700
ETIM 10.0	EC002700

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Technical Data

Packing details

Type of packaging	1 pc(s) / box

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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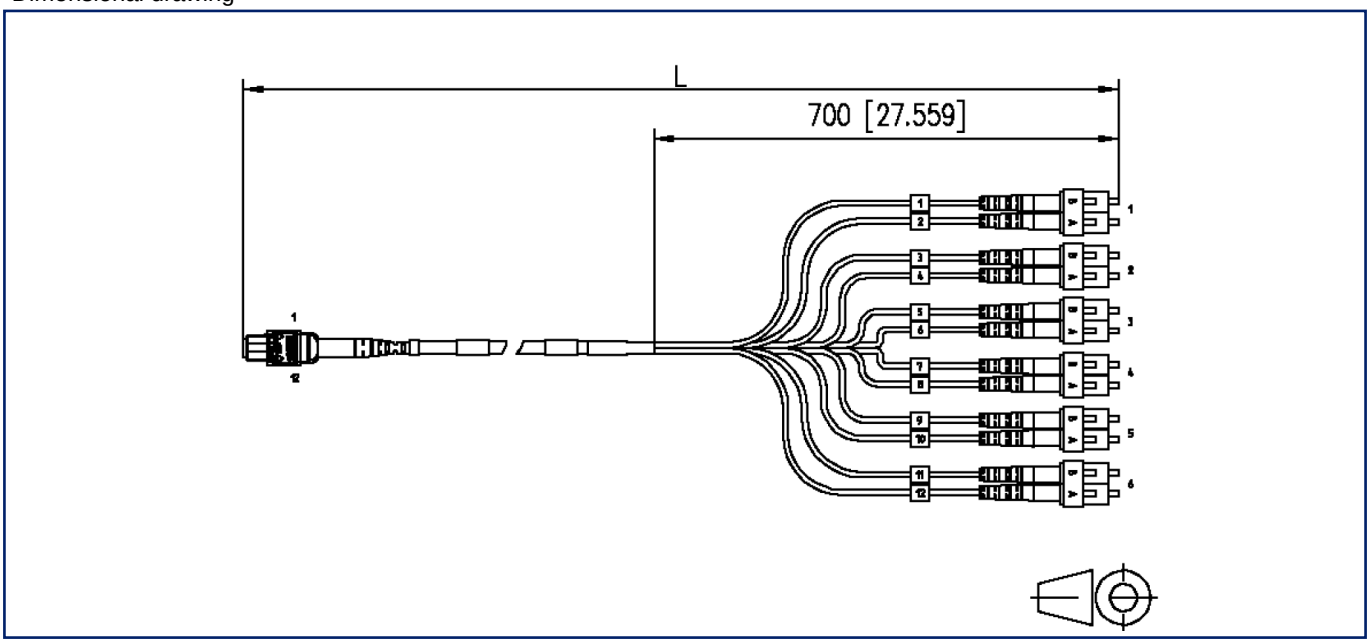
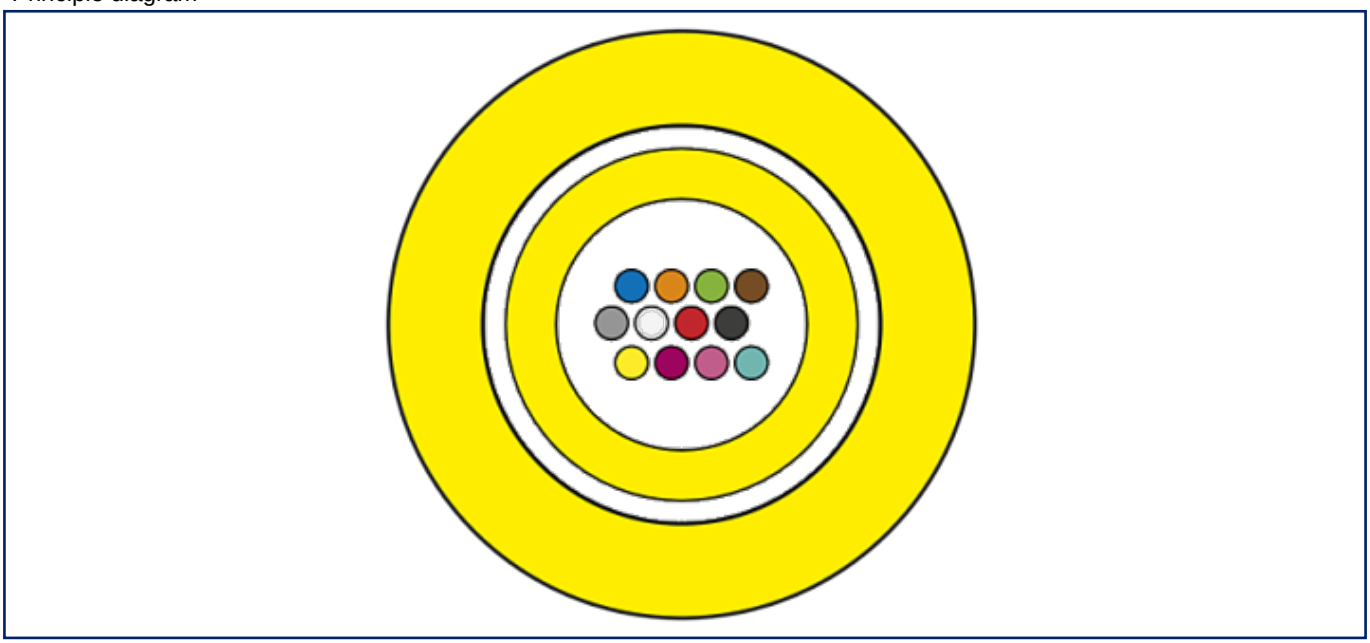


Principle diagram



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