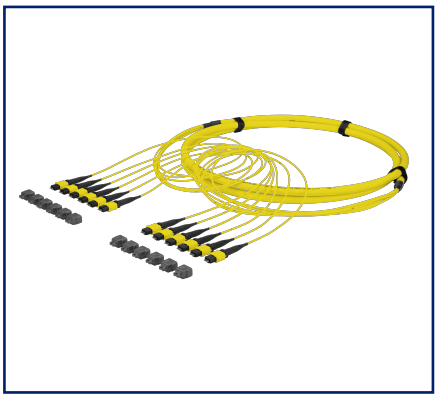
Data sheet

OpDAT trunk cable OS2 6xMTP-M/6xMTP-M BO 72 fibres

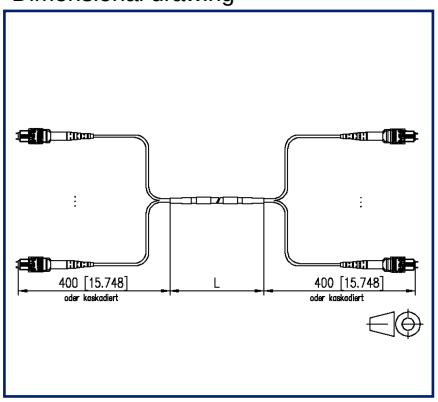
P/N 152PRTMTMXYYZZ

2025/06/25
Version: G

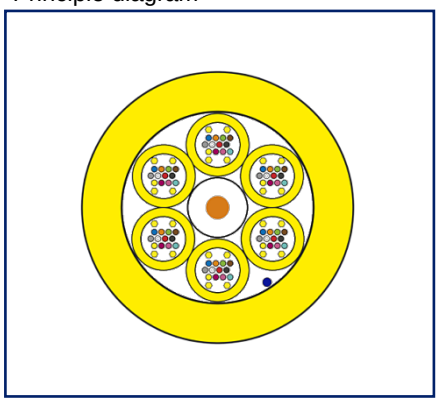
Illustrations



Dimensional drawing



Principle diagram



See enlarged drawings at the end of document

Product specification

- Trunk cable with 72 SM fibers, assembled on both sides with 6 MPO/MTP® connectors each.
- Fanout consisting of individual cables with Ø 2.0 mm, length 0.4 m or cascaded when using a insertion aid.
- Available in the assignment variant polarity A or B.
- Various fanout protectors are optionally available on one or both sides.
- Breakout cable with aramid yarn, suitable for indoor applications.
- Diameter available from Ø 4.5 mm to 9.6 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 trunk cables 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	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)	60.4 mm x 12.5 mm x 7.5 mm
Dimension - Interface 2 (L x W x H)	2.378 in. x 0.492 in. x 0.295 in.
Mode type of the fiber	Singlemode
Fiber class	OS2
Cable Type	Breakout
Number of cables/ buffered fibers	6
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®
Connector technology interface 2	MPO/MTP®
Number of ports interface 1	4
Number of ports interface 2	4
Cable sheath diameter (min. - max.)	
Cable sheath diameter	9.6
Core-/ Fiber cladding diameter	2 mm
Primary coating diameter	125 µm

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Optical characteristics	
Insertion loss	max. 0,35 dB
Return loss	min. 60 dB
Mechanical data	
strain relief	aramide fibres
Permanent tensile strength	750 N
Short term tensile strength	1100 N
Maximum installation load	96 mm
Maximum operating bending radius	192 mm
Impact resistance	20 J
Crush (compressive strength)	2000 N
Torsion resistance	5 cycles ± 1 rotation
Materials and material properties	
Material - Coupler housing	Plastics
Material - Cable jacket	LSHF
Flame retardancy	yes
Halogen free	yes
Metal-free	yes
UV-resistance	yes
Longitudinal water tightness	yes
RoHS	compliant
Standards/Regulations	
Fibre optic connector interfaces	IEC 61754-7
Classifications	
ETIM 7.0	EC002700
ETIM 8.0	EC002700
ETIM 9.0	EC002700

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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. 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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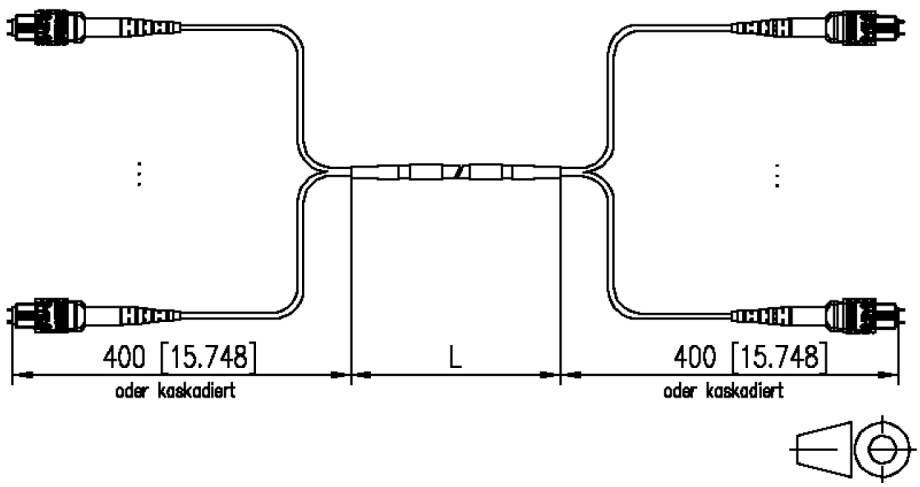

Principle diagram