

Data sheet

OpDAT trunk cable OS2 4xMTP-M/4xMTP-M UDQ 48 fibres

Page 1/5

P/N
152PKTMTMXYYZZ

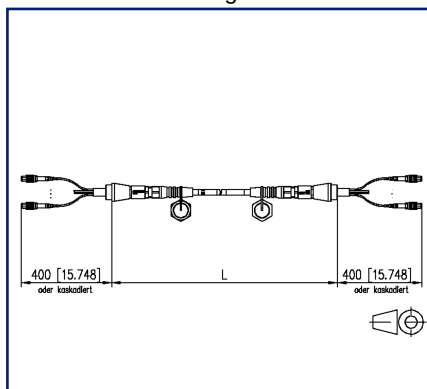
2026/09/17

Version: I

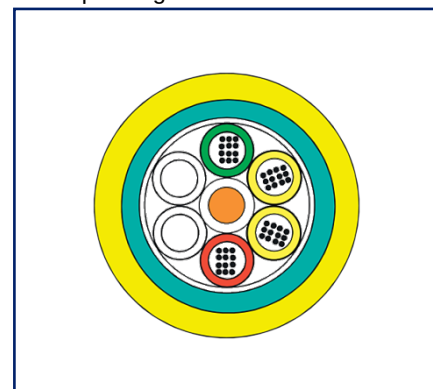
Illustrations



Dimensional drawing



Principle diagram



See enlarged drawings at the end of document

Product specification

- Trunk cable with 48 SM fibers, assembled on both sides with 4 MPO/MTP® connectors each.
- Robust cable divider made of aluminum as a transition to the fanout.
- can be screwed or latched for fastening
- Fanout consisting of individual cables with Ø 3.0 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.
- Universal cable with loose tube construction, suitable for outdoor and indoor applications.
- Diameter available from Ø 7.5 mm to 12.8 mm.
- UV-stabilized, metal-free, rodent-proof, longitudinally watertight, 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



Data sheet

Page 2/5

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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
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
Number of cables/ buffered fibers	4
Number of fibres each cable/ wire	12
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	11.2
Core-/ Fiber cladding diameter	2,3mm / 125µm
Primary coating diameter	125 µm



Data sheet

Page 3/5

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Optical characteristics

Insertion loss	max. 0,35 dB
Return loss	min. 60 dB

Mechanical data

strain relief	glasroving elements
Permanent tensile strength	1800 N
Short term tensile strength	5000 N
Maximum installation load	112 mm
Maximum operating bending radius	224 mm
Impact resistance	20 J
Crush (compressive strength)	3000 N/100 mm
Torsion resistance	5 cycles $\pm$ 1 rotation
Fire load	2142 MJ/km

Materials and material properties

Material - Coupler housing	Plastics
Material - Cable jacket	LSHF
Flame retardancy	yes
Halogen free	yes
UV-resistance	yes
Longitudinal water tightness	yes
RoHS	compliant

Standards/Regulations

Fibre optic connector interfaces	IEC 61754-7
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Classifications

ETIM 7.0	EC002700
ETIM 8.0	EC002700
ETIM 9.0	EC002700
ETIM 10.0	EC002700



Data sheet

Page 4/5

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Packing details

Type of packaging 1 pc(s) / box

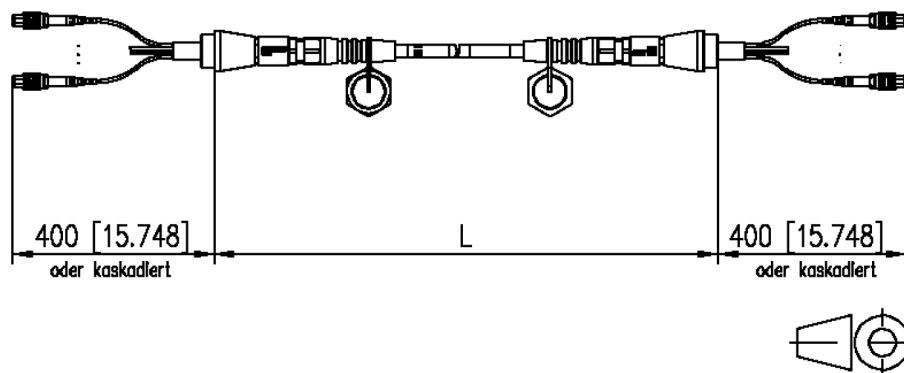
Application note

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.



Illustrations

Dimensional drawing



Principle diagram

