

P | Cabling

Data sheet

OpDAT Ader-Fanout MTP-M/12xLC-S APC OS2, 0.3 m

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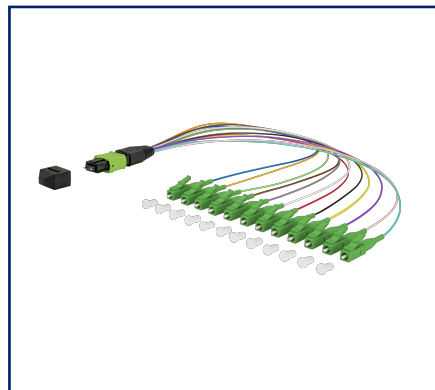
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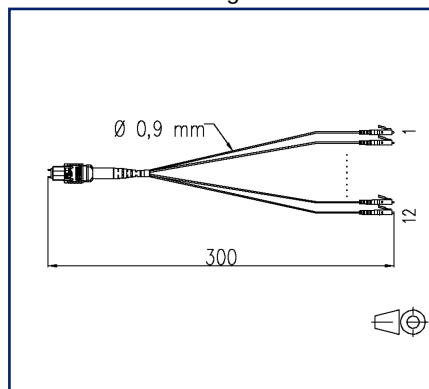
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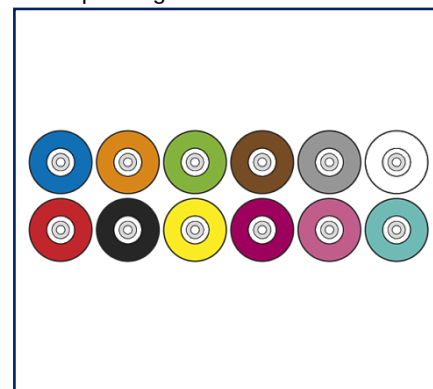
Illustrations



Dimensional drawing



Principle diagram



See enlarged drawings at the end of document

Product specification

- Wire fanout with 12 SM fibers, assembled with one MPO/MTP® connector and 12 LC APC simplex connectors.
- Male connector (with pins) as standard. Variants with female connector (without pins) are possible.
- available in assignment variants polarity A
- suitable for transmissions of e.g. 100 Gbit/s (depending on transceiver technology)
- wire diameter Ø 0.9 mm, color-coded according to TIA/EIA 598
- Fiber type: Single mode fiber, E9/125 µm, OS2 (IEC 11801), IEC 60793-2-50 B.1.3 and B.6_a, bend insensitive according to ITU-T G.657.A1, compatible to ITU-T G.652.D.
- 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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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	Wire Fanout
Transmission technology	Fiber optic
Color	green
Color coding fiber/ wire(s)	EIA/TIA 598
Dimensions	
Dimension (L x W x H)	31.9 mm x 4.47 mm x 4.47 mm
Dimension (L x W x H)	1.256 in. x 0.176 in. x 0.176 in.
Mode type of the fiber	Singlemode
Fiber class	OS2
Cable Type	Wire Fanout
Number of cables/ buffered fibers	12
Number of fibres each cable/ wire	1
Shape	APC (Angled Physical Contact)
Fiber construction	9/125 µm
Cable length (m)	0.3 m

Transmission characteristics

Transmission rate up to 100 MBit (Fast Ethernet)	yes
Transmission rate up to 1 GBit (Fast Ethernet)	yes
Transmission rate up to 10 GBit	yes
Transmission rate up to 100 GBit	ja

Connections/interfaces

Connector technology interface 1	MPO - Polarity, method A
Connector technology interface 2	LC APC
Primary coating diameter	0.25 mm
Primary coating diameter	0.01 in.
Secondary coating diameter	0.9 mm



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Connections/interfaces

Secondary coating diameter	0.035 in.
Ferrule diameter	1.25 mm
Ferrule diameter	0.049 in.

Optical characteristics

Insertion loss	max. 0,35 dB
Return loss	min. 50 dB

Mechanical data

Connector type	simplex
Insertion and withdrawal force	min. 5 N
Minimum bending radius	7.5 mm
Minimum bending radius	0.295 in.

Materials and material properties

Bend insensitivity	yes
Halogen free	yes
RoHS	compliant

Environmental conditions

Temperature (min. - max.)	
Temperature - Operating °C	-10 °C - 60 °C
Temperature - Operating °F	14 °F - 140 °F
Temperature - Installation °C	-15 °C - 45 °C
Temperature - Installation °F	5 °F - 113 °F

Standards/Regulations

Generic cabling systems	
General requirements	ISO/IEC 11801 DIN EN 50173
FOCIS - Fiber Optic Connector Intermateability Standard	ANSI/TIA-604-5-D
Optical fibers: Indoor optical cables	
Family specification for multi-fibre optical cables	ISO/IEC 60794-2-20



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Standards/Regulations

Optical fibers - Interconnecting devices and passive components - basic test and measuring methods

Fibre optic interconnecting devices and passive components - Visual inspection of plug end face IEC 61300-3-4 | IEC 61300-3-6

ITU-T standard ITU-T G.657.A2 and G.657.B2, compatible with ITU-T G.652.D

Classifications

ETIM 7.0 EC000748

ETIM 8.0 EC000748

ETIM 9.0 EC000748

Packing details

Type of packaging 1 pc(s) / plastic bag

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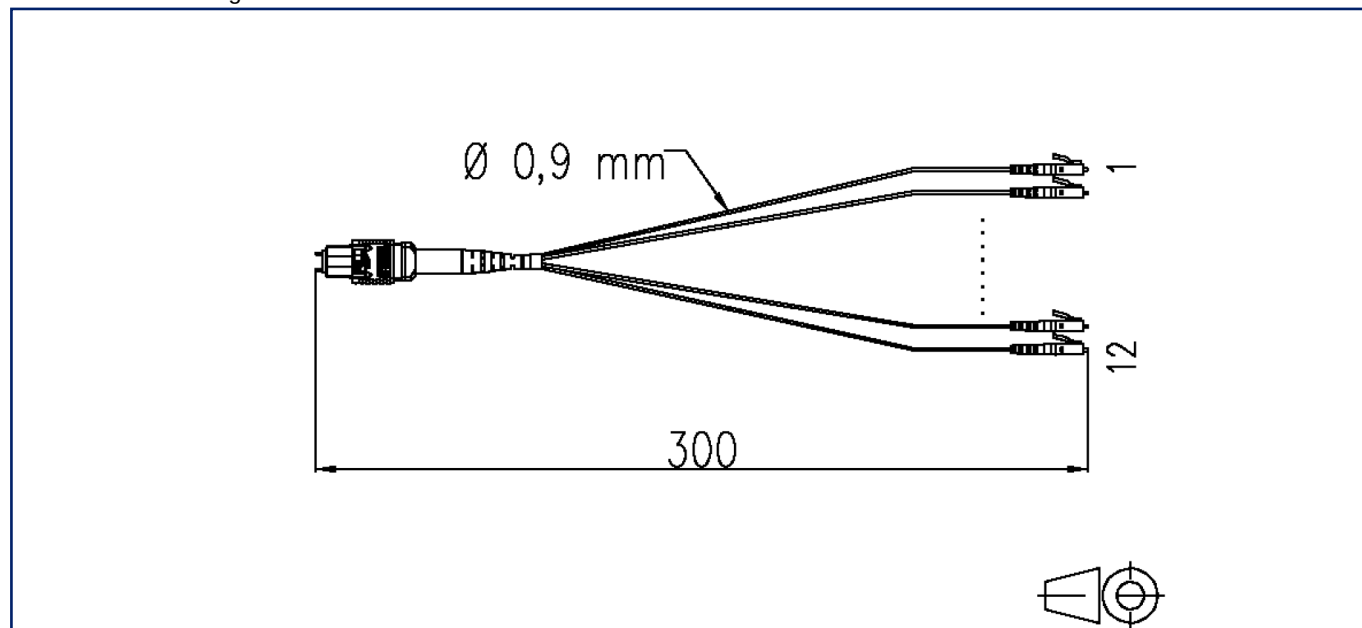
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