Data sheet

OpDAT Ader-Fanout MTP-M/12xLC-S OM4, 0.3 m

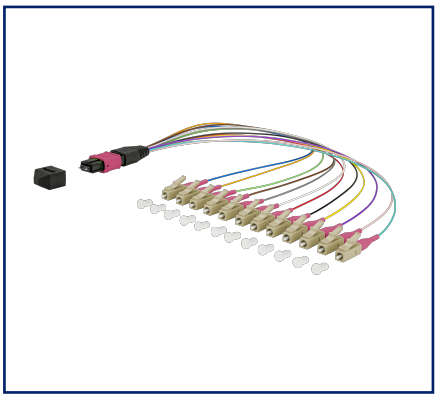
P/N 151S5TMJO003A

EAN 4251394656267

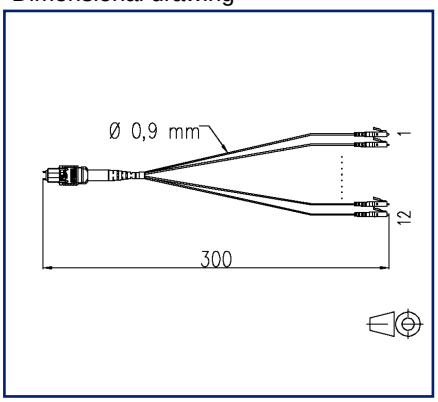
2023/06/16

Version: C

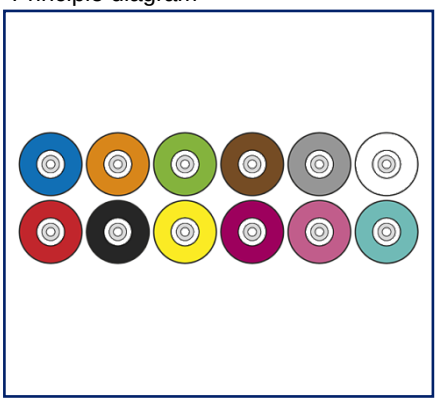
Illustrations



Dimensional drawing



Principle diagram



See enlarged drawings at the end of document

Product specification

- Wire fanout with 12 OM4 fibers, assembled with one MPO/MTP® connector and 12 LC 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: Bend-resistant multimode fiber, G50/125 µm, OM4 (IEC 11801), IEC 60793-2-10 A1a.3, 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

METZ CONNECT GmbH | Im Tal 2 | 78176 Blumberg | Germany
Phone +49 7702 533-0 | Fax +49 7702 533-433

Data sheet

OpDAT Ader-Fanout MTP-M/12xLC-S OM4, 0.3 m

P/N 151S5TMJO003A

EAN 4251394656267

2023/06/16

Version: C

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	violet
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	Multimode
Fiber class	OM4
Cable Type	Wire Fanout
Number of cables/ buffered fibers	12
Number of fibres each cable/ wire	1
Shape	PC (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
Primary coating diameter	0.25 mm
Primary coating diameter	0.01 in.
Secondary coating diameter	0.9 mm

Data sheet

OpDAT Ader-Fanout MTP-M/12xLC-S OM4, 0.3 m

P/N 151S5TMJO003A
EAN 4251394656267
2023/06/16
Version: C

Technical Data

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. 20 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

Data sheet

OpDAT Ader-Fanout MTP-M/12xLC-S OM4, 0.3 m

P/N 151S5TMJO003A

EAN 4251394656267

2023/06/16

Version: C

Technical Data

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

Classifications

ETIM 7.0	EC000748
ETIM 8.0	EC000748
ETIM 9.0	EC000748

Packing details

Type of packaging	1 pc(s) / plastic bag

METZ CONNECT
We realize ideas

Data sheet

OpDAT Ader-Fanout MTP-M/12xLC-S OM4, 0.3 m

P/N 151S5TMJO003A

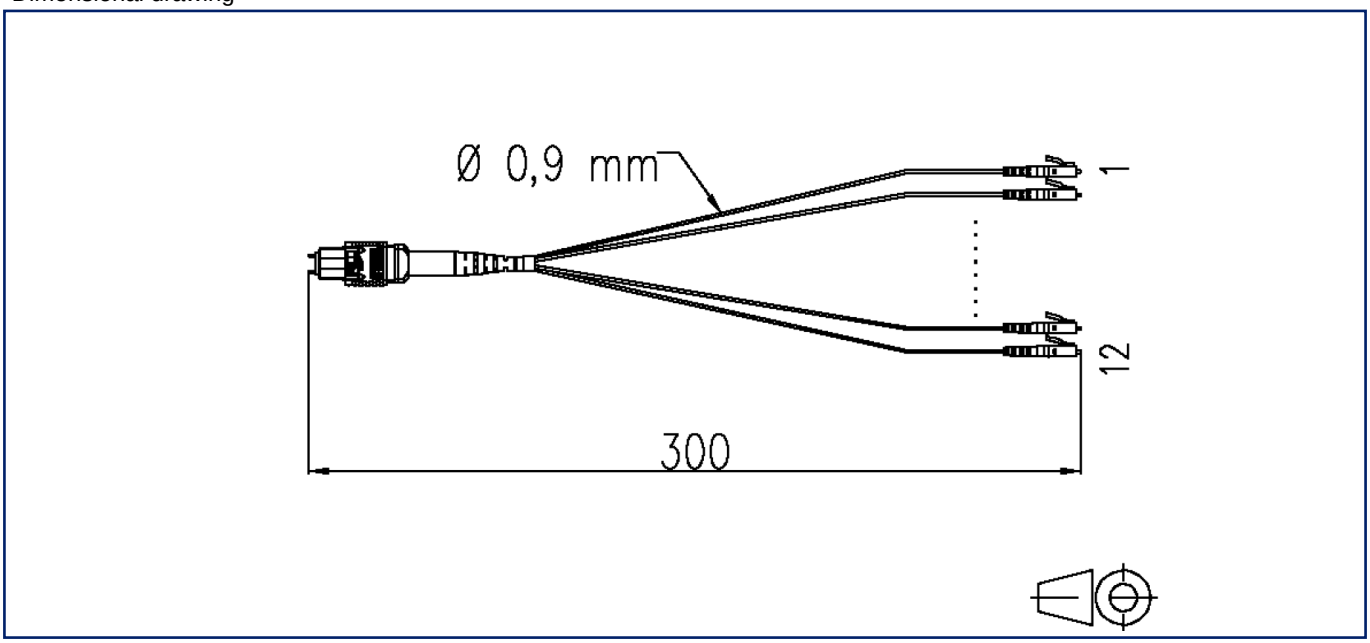
EAN 4251394656267

2023/06/16

Version: C

Illustrations

Dimensional drawing



Principle diagram