

# P | Cabling

## Data sheet

### OpDAT Ader-Fanout MTP-M/12xE2000-S OS2 0.3 m

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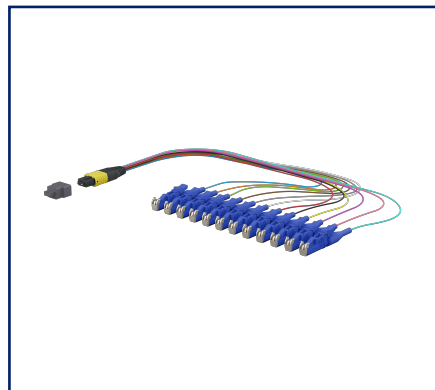
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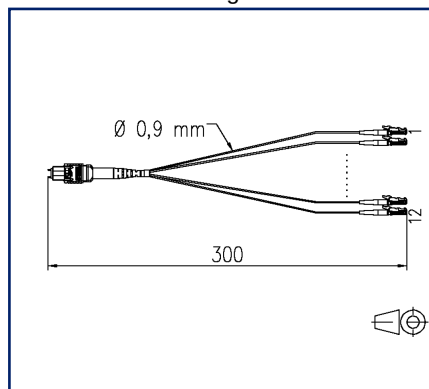
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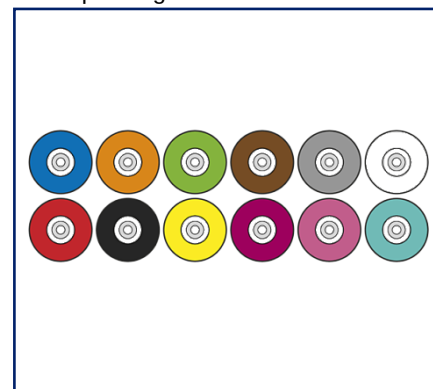
## Illustrations



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 E2000 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<br>structured building cabling |
| Design                            | Wire Fanout                                |
| Transmission technology           | Fiber optic                                |
| Wiring                            | Polarity A                                 |
| Color                             | yellow                                     |
| Color coding fiber/ wire(s)       | EIA/TIA 598                                |
| Mode type of the fiber            | Singlemode                                 |
| Fiber class                       | OS2                                        |
| Cable Type                        | Wire Fanout                                |
| Number of cables/ buffered fibers | 12                                         |
| Shape                             | UPC (Ultra Physical Contact)               |
| Fiber construction                | 9/125 µm                                   |
| Cable length (m)                  | 0.3 m                                      |

### Connections/interfaces

|                                  |                |
|----------------------------------|----------------|
| Connector technology interface 1 | MPO/MTP® Pol.A |
| Connector technology interface 2 | E2000 APC      |
| Core-/ Fiber cladding diameter   | 900            |

### Optical characteristics

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

### Materials and material properties

|      |           |
|------|-----------|
| RoHS | compliant |
|------|-----------|

### Standards/Regulations

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| Generic cabling systems          |                                              |
| General requirements             | ISO/IEC 11801 cat. OS2                       |
| Fibre optic connector interfaces | IEC 61754-7                                  |
| ITU-T standard                   | ITU-T G.657.A1 compatible with ITU-T G.652.D |



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## Technical Data

### 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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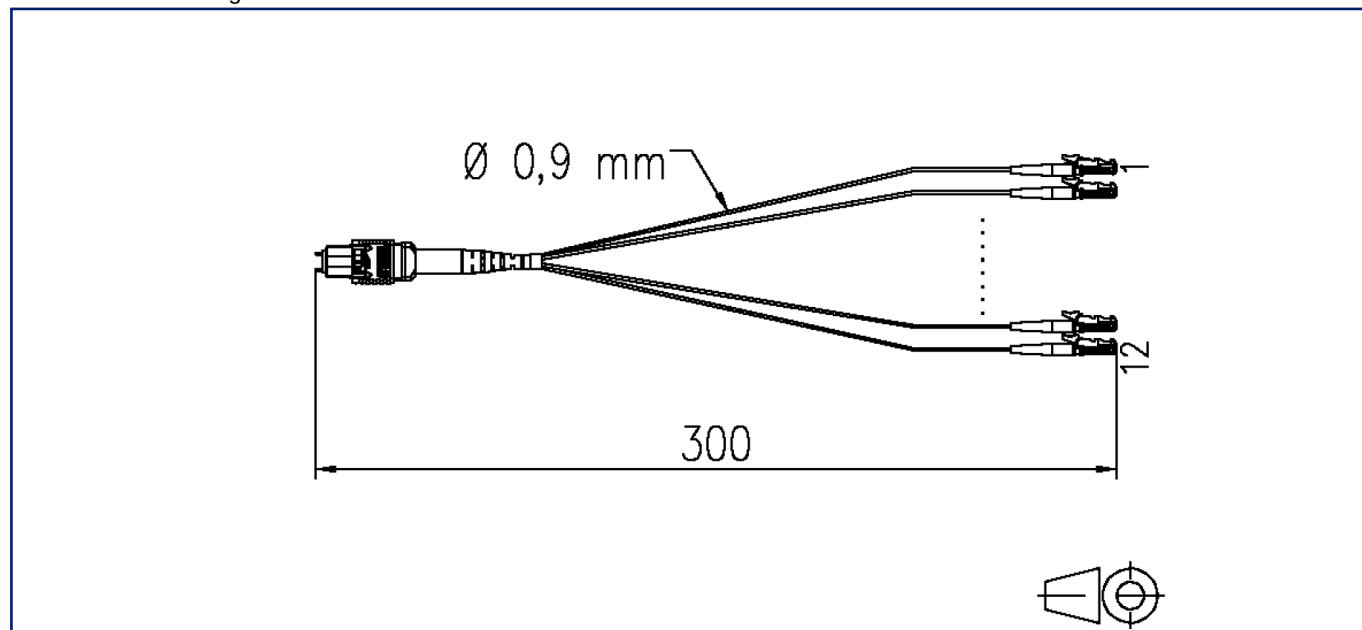
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