

DSTM Pre-Terminated Optical Microcable



In addition to the time and cost-saving advantages of all INTEL DAT pre-terminated cables, these DSTM microcables, which are suitable for both outdoor installations and indoor distribution, have a smaller diameter than many other cables – only 3.5 mm – which allows space saving in the ducts and racks.

In microcables, the individual fibers are only in the primary protection, and they are secured by a fan-out as they pass from the cable. Before connecting, a protective 2.0 mm Kevlar tube is placed on each fiber, to provide the mechanical strength, which makes it possible to use these pre-terminated microcables repeatedly, for use as multi-patch cords for direct connection to active elements.

Features

- 4 to 24 fiber design microcables with fibers in primary protection
- Available in MM OM1, OM2, OM3, OM4, OM5 and SM OS2 G.657.A1 fiber types
- Available with SC, LC, FC, ST and E2000 connectors
- LSZH, OFNR, UV-resistant cable
- Easy and quick installation

Applications

- Horizontal and vertical distribution
- Connections between buildings
- Interconnection between racks within buildings
- Data centers, SAN distribution
- Laying in cable trays and ducts

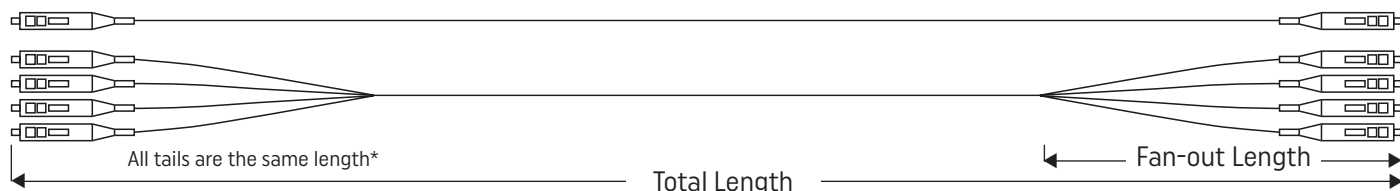
Specifications

| LC, SC, FC, ST, E2000 | SM APC | SM PC | MM PC |
|-------------------------------------|--|---------|---------|
| Insertion loss (IL) typ. | 0.15 dB | 0.20 dB | 0.25dB |
| Insertion loss (IL) max | 0.30 dB | 0.30 dB | 0.35 dB |
| Return loss (RL) | > 65 dB | > 55 dB | > 30 dB |
| Mating cycles | min 500 cycles | | |
| Assembly | gluing and polishing | | |
| Cable type | Mikrocable, fibers in primary protection have 200 µm nebo 245 µm | | |
| Cable operational temperature range | -20 to +70 °C | | |
| Temperature cycling | -25 to +70 C, 12 cycles | | |
| Ferrule material | ceramic zirconia | | |
| Connector material | PBT/UL 94-V0 | | |

Cable Protection & Pulling

Cable fan-out ends and connectors are protected with a plastic braid. This plastic braid can be terminated by a simple eye, which facilitates manipulation of the cable. For longer and heavier routes, the cable can be equipped with a steel cable with a pulling eye. In order to facilitate attachment to a switchboard, a cable gland can be placed at the end of the cable.

Measurements



ORDERING CODES

DSTM: Pre-Terminated Optical Microcable

| DS | TM | ✓ | - | ✓ | / | ✓ | - | ??? | - | ?? | - | ?? | / | ?? | |
|--|----|----|---|-----|---|-----|---|------|----|-----|---|-----|---|-----|--|
| | | | | | | | | | | | | | | | Fiber type |
| | | S2 | | | | | | | | | | | | | OS2 SM 09/125 μm |
| | | M1 | | | | | | | | | | | | | OM1 MM 62.5/125 μm |
| | | M2 | | | | | | | | | | | | | OM2 MM 50/125 μm |
| | | M3 | | | | | | | | | | | | | OM3 MM 50/125 μm |
| | | M4 | | | | | | | | | | | | | OM4 MM 50/125 μm |
| | | M5 | | | | | | | | | | | | | OM5 MM 50/125 μm |
| | | | | | | | | | | | | | | | Connector A / Connector B |
| | | | | E2A | | E2A | | | | | | | | | E2000/APC |
| | | | | ST | | ST | | | | | | | | | ST/PC |
| | | | | FC | | FC | | | | | | | | | FC/PC |
| | | | | FCA | | FCA | | | | | | | | | FC/APC |
| | | | | LC | | LC | | | | | | | | | LC/PC |
| | | | | LCA | | LCA | | | | | | | | | LC/APC |
| | | | | SC | | SC | | | | | | | | | SC/PC |
| | | | | SCA | | SCA | | | | | | | | | SC/APC |
| | | | | | | | | 90.0 | | | | | | | Cable length (m) |
| | | | | | | | | | 24 | | | | | | Fibers (4-24) |
| | | | | | | | | | | 0.5 | | 0.5 | | | Length of Fan-out Tails A / B (m) |
| Příklad | | | | | | | | | | | | | | | |
| DS | T2 | S2 | - | SC | / | SC | - | 90.0 | - | 24 | - | 0.5 | / | 0.5 | INTEL DAT pre-terminated microcable, 09/125 SM fibers, SC/PC to SC/PC connectors, 90 m length, 24 fibers, 0.5 m tail lengths |
| *Special configurations can be provided assembled in accordance with your requirements | | | | | | | | | | | | | | | |