# LANmark-OF Aggregation Assembly MTP/F-4XDLC

**LANMARK-OF AGGREGATION ASSEMBLY MTP/F-4XDLC 8XOM4 2M FAN-OUT C XM AQUA**



**Aginode Ref:** N127.7FLCVx

- Factory terminated fibre assembly
- Fibre assembly with Female MTP towards 4x uniboot DLC connectors
- Female MTP connector for connecting to QSFP+ transceiver on switch
- Uniboot DLC connectors for patching on front of patch panel
- Aggregation of 4X 10G channels on patch panel into 1x 40G port on switch
- Fibre type: OM3 and OM4
- 8 core
- Low loss connectivity performance: max of 0,3 dB per connection

## STANDARDS

ISO/IEC
11801:2002/Amd 1:2008/Cor 1:2008

## Construction

A round cable with a diameter of 3,65 mm is terminated on one side with a female MTP*-connector. The other side is terminated as a fan-out with uniboot duplex LC connectors. The round fan-out legs contain 2 fibres. The lengths between the fan-out point and each uniboot connector is equal and typically 1m (fan out A) or 2m (fan out C). The length between the MTP-connector and the fan-out point is variable and can be increased in steps of 1 m.

The cable features a small bend radius of 40mm and has bend insensitive fibres inside.

The cable is flame non propagation (IEC 60332-1) and fire non propagation (IEC 60332-3).

## Application

The assembly allows to aggregate 4X 10G channels from the front of a patch panel into 1x 40G port on a switch.

The female MTP-connector fits with the male MTP connector inside the 40G QSFP+ port of the switch.

## Performance

The MTP connector has a low loss performance. Typical value for the insertion loss for the low loss MTP-MTP connection is 0.125 dB. The limit value is 0.3 dB measured according to

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standard IEC 61300-3-45.

## Consistent quality

In order to produce high quality, reliable pre-terminated multi-fibre cables, there are a number of physical characteristics that must be addressed. Therefore, all LANmark-OF Pre-Terms are fully terminated and tested in a quality assured factory environment.  They are delivered with these test results.

* MTP is a trade name of US Conec

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## Characteristics

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|---|---|
| **结构特性** | |
| 光纤类型 | OM3 50/125 |
| **尺寸特性** | |
| 标称外径 | 3.65 mm |
| **机械特性** | |
| 耐挤压 (IEC 794-1-E3) | 50 N/cm |
| 机械耐冲击性能 | 10次冲击/ N.M |
| **使用特性** | |
| 阻燃 | IEC 60332-3 |
| 阻燃 - 火焰 | IEC 60332-1 |
| 最小弯曲半径 - 静态 | 40 mm |
| 操作温度，范围 | 0...60 °C |
| 存储温度范围 | -20...60 °C |

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