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

Construction characteristics	
Fiber optic type	OM3 50/125
Dimensional characteristics	
Nominal outer diameter (mm)	3.65 mm
Mechanical characteristics	
Crush resistance (IEC 60794-1-E3)	50 N/cm
Mechanical resistance to impacts	10 impacts of 1 N.m
Usage characteristics	
Fire retardant	IEC 60332-3
Flame retardant	IEC 60332-1
Minimum static operating bending radius	40 mm
Operating temperature, range	0...60 °C
Storage temperature, range	-20...60 °C

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