LANmark-OF Method C MPO-MPO Pre-Term LSZH APAC

LANMARK-OF METHOD C MPO/M-MPO/M PRE-TERM MM OM3 96C LOW LOSS LSZH XXXM AQUA PULLING EYE ONE SIDE

Aginode Ref: N145.CL96LAxxx-LA

- Factory terminated MPO-MPO fibre assembly
- Flexible fan-out for ease of installation in patch panel
- Small cable diameter reduces required data centre space
- Method C polarity Pre-Term
- Only one type of patch cords and one type of cassettes required for duplex transmission
- Fibre count: 96F
- Fibre type: Multimode OM3

STANDARDS

ANSI/TIA-568-C.3
ISO/IEC 11801

Pre-Term for data centres, buildings and campus based on Micro-Bundle Universal

The cable has a small diameter and bend raduis to meet data centre requirements.

Fire performance

The cables have been tested for fire performance according to IEC 60332-3c. The cable meets LSZH requirements.

MPO-MPO Pre-Term characteristics

The Pre-Term has standard pinned (male) MPO connectors. This matches with the un-pinned (female) connectors in the female Plug&Play MPO-LC modules.

In order to reduce overlengths in data centers the Pre-Terms are custom made and available with 1m increments. The "xxx" in the N-number is the length in metre between the cable glands, i.e. the Pre-Term length between the back side of the patch panels.

The Pre-Terms are optimized for both pulling and laying in data centers. On both sides the MPO connectors are protected by a bubble foam. The maximum pulling force on the pulling eye is 450N. Pre-term are ordered with 2 options available: Pulling eye on one side or No pulling eye. A detachable pulling eye with corrugrated tube can be ordered separately using PN N890.100HP.

The MPO Pre-Terms come with a PG-13 cable gland that fits into the LANmark-OF Plug&Play patch panel gland holders.

Optical Performance and Polarity

The insertion loss for a multimode the MPO connection has typical Low Loss performance of 0,2 dB and with a maximum

of 0,35 dB insertion loss.

The insertion loss for a singlemode the MPO connection has typical performance of 0.5dB with a maximum of 0.75dB insertion loss.

The insertion loss of a MPO connection is measured according to standard IEC61300-3-45.

The minimum return loss for a multimode MPO connection is 20 dB and singlemode MPO connection is 45 dB, both measured according to IEC 61300-3-6.

The method B Pre-Term has a pairflip key up / key down design. This is in agreement with standard TIA-568.3-D-2016 method C.

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Caractéristiques

Caractéristiques de construction	
Type de fibres optiques	OM3 50/125
Sans halogène	Oui
Caractéristiques dimensionnelles	
Nombre de fibres optiques	96
Diamètre externe nominal (mm)	6.4 mm
Caractéristiques mécaniques	
Résistance mécanique aux chocs	10 impacts of 3 N.m
Résistance à l'écrasement (IEC 794-1-E3)	100 N/cm
Tension maximale à l’installation	1000 N
Caractéristiques de transmission	
Insertion Loss, maximum, dB	0.35 dB
Return Loss, Minimum, dB	20 dB
Caractéristiques d'utilisation	
Température ambiante d'utilisation, plage	-20...60 °C
Non propagateur de l incendie	IEC 60332-3-24 (cat C)
Densité de fumée dégagée	IEC 61034
Rayon de courbure minimum en utilisation dynamique	20 (xD)
Minimum bending radius, static (XD)	10