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

- Factory terminated MTP-MTP fibre assembly
- Flexible fan-out for ease of installation in patch panel
- Small cable diameter reduces required data centre space
- Method B polarity Pre-Term
- Optimized for 40G/100G parallel transmission
- Fibre count: 12F, 24F, 48F, 96F
- Fibre type: OM3, OM4 and Singlemode (OS2 G.657.A1)



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 radius 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

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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 key up / key up design. This is in agreement with standard TIA-568.3-D-2016 method B.

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CHARACTERISTICS

Construction characteristics	
Fiber optic type	OM3 50/125
Halogen free	Yes
Dimensional characteristics	
Number of optical fibres	48
Nominal outer diameter (mm)	5.4 mm
Mechanical characteristics	
Maximum installation tension	660 N
Mechanical resistance to impacts	10 impacts of 3 N.m
Crush resistance (IEC 60794-1-E3)	100 N/cm
Transmission characteristics	
Insertion Loss, maximum, dB	0.35 dB
Return Loss, Minimum, dB	20 dB
Usage characteristics	
Operating temperature, range	-20...60 °C
Minimum dynamic operating bending radius	20 (xD)
Minimum bending radius, static (XD)	10
Smoke density	IEC 61034
Fire retardant	IEC 60332-3-24 (cat C)

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Product list

	Aginode ref.	Country ref.	Name	Fiber optic type	Number of optical fibres
	N145.BL48LAxxx-LA	-	LANmark-OF METHOD B MPO/M-MPO/M Pre-Term MM OM3 48c Low Loss LSZH xxxM Aqua Pulling Eye one side	OM3 50/125	48
	N145.BL24LAxxx-LA	-	LANmark-OF METHOD B MPO/M-MPO/M Pre-Term MM OM3 24c Low Loss LSZH xxxM Aqua Pulling Eye one side	OM3 50/125	24
	N145.BL12LAxxx-LA	-	LANmark-OF METHOD B MPO/M-MPO/M Pre-Term MM OM3 12c Low Loss LSZH xxxM Aqua Pulling Eye one side	OM3 50/125	12
	N147.BL96LAxxx-LA	-	LANmark-OF METHOD B MPO/M-MPO/M Pre-Term MM OM4 96c Low Loss LSZH xxxM Aqua Pulling Eye one side	OM4 50/125	96
	N147.BL48LAxxx-LA	-	LANmark-OF METHOD B MPO/M-MPO/M Pre-Term MM OM4 48c Low Loss LSZH xxxM Aqua Pulling Eye one side	OM4 50/125	48
	N147.BL24LAxxx-LA	-	LANmark-OF METHOD B MPO/M-MPO/M Pre-Term MM OM4 24c Low Loss LSZH xxxM Aqua Pulling Eye one side	OM4 50/125	24
	N147.BL12LAxxx-LA	-	LANmark-OF METHOD B MPO/M-MPO/M Pre-Term MM OM4 12c Low Loss LSZH xxxM Aqua Pulling Eye one side	OM4 50/125	12
	N144.BL96SAxxx-LY	-	LANmark-OF METHOD B MPO/M-MPO/M Pre-Term SM OS2 G.657.A1 96c LSZH xxxM Yellow Pulling Eye one side	SM (G657.A1)	96
	N144.BL48SAxxx-LY	-	LANmark-OF METHOD B MPO/M-MPO/M Pre-Term SM OS2 G.657.A1 48c LSZH xxxM Yellow Pulling Eye one side	SM (G657.A1)	48
	N144.BL24SAxxx-LY	-	LANmark-OF METHOD B MPO/M-MPO/M Pre-Term SM OS2 G.657.A1 24c LSZH xxxM Yellow Pulling Eye one side	SM (G657.A1)	24
	N144.BL12SAxxx-LY	-	LANmark-OF METHOD B MPO/M-MPO/M Pre-Term SM OS2 G.657.A1 12c LSZH xxxM Yellow Pulling Eye one side	SM (G657.A1)	12

= Make to order, = In Stock

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