LANmark-OF ENSPACE Method B MTP-MTP 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,OM5 and Singlemode (OS2 G.657.A1)

STANDARDS

ISO/IEC 11801
ANSI/TIA-568.3-D

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.

MTP*-MTP Pre-Term characteristics

The MTP-MTP Pre-Term has standard pinned (male) connectors. This matches with the un-pinned (female) connectors in the ENSPACE modules and the female Plug&Play 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 MTP connectors are protected by a bubble foam. The maximum pulling force on the pulling eye is 450N. The detachable pulling eye with corrugrated tube can be ordered using PN N890.100HP.

The MTP-MTP Pre-Terms come with a PG-13 cable gland that fits into the LANmark-OF ENSPACE and Plug&Play patch panel slots.

Optical Performance and Polarity

The insertion loss for a multimode the MTP-MTP* connection has Low Loss performance: typical insertion loss is 0,15 dB with a maximum of 0,35 dB insertion loss. Ultra Low loss is also available with typical insertion loss 0.125dB with a maximum of 0.25dB insertion loss.

The insertion loss for a singlemode the MTP-MTP* connection has Low Loss performance: typical insertion loss 0.3dB with a maximum of 0.35dB insertion loss.

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

The minimum return loss for a multimode MTP connection is 20 dB measured according to IEC 61300-3-6. The minimum return loss for a singlemode MTP connection is 45 dB 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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CARACTÉRISTIQUES

Caractéristiques de construction	
Type de fibres optiques	SM (G657.A1)
Sans halogène	Oui
Caractéristiques dimensionnelles	
Nombre de fibres optiques	12
Diamètre externe nominal (mm)	3.65 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	450 N
Caractéristiques de transmission	
Insertion Loss, maximum, dB	0.35 dB
Return Loss, Minimum, dB	45 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

Product list

	Aginode ref.	Country ref.	Name	Type de fibres optiques	Nombre de fibres optiques
	N144.B12MMExxxY	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term SM 12c Low Loss LSZH xxxM OS2 G.657.A1 Yellow	SM (G657.A1)	12
	N149.B48MMExxxL	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term MM 48c Low Loss LSZH xxxM OM5 Lime Green	OM5 50/125 Wideband	48
	N149.B24MMExxxL	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term MM 24c Low Loss LSZH xxxM OM5 Lime Green	OM5 50/125 Wideband	24
	N145.B24MMExxxA	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term MM 24c Low Loss LSZH xxxM OM3 Aqua	OM3 50/125	24
	N149.B12MMExxxL	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term MM 12c Low Loss LSZH xxxM OM5 Lime Green	OM5 50/125 Wideband	12
	N147.B96MMExxxA	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term MM 96c Low Loss LSZH xxxM OM4 Aqua	OM4 50/125	96
	N147.B48MMExxxA	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term MM 48c Low Loss LSZH xxxM OM4 Aqua	OM4 50/125	48
	N147.B24MMExxxA	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term MM 24c Low Loss LSZH xxxM OM4 Aqua	OM4 50/125	24
	N145.B12MMExxxA	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term MM 12c Low Loss LSZH xxxM OM3 Aqua	OM3 50/125	12
	N147.B12MMExxxA	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term MM 12c Low Loss LSZH xxxM OM4 Aqua	OM4 50/125	12
	N144.B96MMExxxY	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term SM 96c Low Loss LSZH xxxM OS2 G.657.A1 Yellow	SM (G657.A1)	96
	N145.B96MMExxxA	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term MM 96c Low Loss LSZH xxxM OM3 Aqua	OM3 50/125	96
	N144.B48MMExxxY	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term SM 48c Low Loss LSZH xxxM OS2 G.657.A1 Yellow	SM (G657.A1)	48
	N145.B48MMExxxA	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term MM 48c Low Loss LSZH xxxM OM3 Aqua	OM3 50/125	48
	N144.B24MMExxxY	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term SM 24c Low Loss LSZH xxxM OS2 G.657.A1 Yellow	SM (G657.A1)	24
	N149.B96MMExxxL	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term MM 96c Low Loss LSZH xxxM OM5 Lime Green	OM5 50/125 Wideband	96

= Make to order, = In Stock