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

LANMARK-OF METHOD C MPO/M-MPO/M PRE-TERM SM OS2 G.657.A1 96C OFNP XXXM YELLOW PULLING EYE ONE SIDE

Aginode Ref: N144.CU96SAxxx-PY

- 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: SingleMode OS2 G.657.A1

Pre-Term for data centres, buildings and campus based on Micro-Bundle.
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 Plenum rated, providing a very high fire performance with minimal fire load and can be used in air flow space.
MPO-MPO Pre-Term characteristics
The MPO-MPO Pre-Term has standard pinned (male) connectors. This matches with the un-pinned (female) connectors in the female Plug&Play modules.
The "xxx" in the N-number is the length in meter between the cable glands, i.e. the Pre-Term length between the back side of the patch panels.
After the cable gland the Pre-Term has a fan-out. The fan-out splits the cable into tubes. The tubes are reinforced with aramid yarns.
Pre-terminated MPO fibre cable can be ordered separately with a removable pulling eye for fast deployment onsite. The pulling eye provides minimum 450N installation tension. The removable pulling eye can be quickly detached after installation and can be reinstalled, reducing construction waste and making it more suitable for sustainable environmental protection. The detachable pulling eye with corrugrated tube can be ordered using PN N890.100HP.
Prefabricated pulling eye is also available with the MPO pre-term.
The MPO-MPO Pre-Terms come with a PG-13 cable gland that fits into the LANmark-OF Plug&Play patch panel slots.
Optical Performance and Polarity
The typical insertion loss for a singlemode the MPO-MPO connection is 0,5 dB with a maximum of 0,75 dB insertion loss. The insertion loss of a MPO-MPO connection is measured according to standard IEC61300-3-45.
The minimum return loss for a singlemode MPO connection is 45 dB measured according to IEC 61300-3-6.
The method C Pre-Term has a pair flip key up / key down design. This is in agreement with standard TIA-568.3-D-2016 method C.

STANDARDS

ISO/IEC 11801

LANmark-OF METHOD C MPO/M-MPO/M Pre-Term SM OS2 G.657.A1 96c OFNP xxxM Yellow pulling eye one side

Caractéristiques

Caractéristiques de construction	
Type de fibres optiques	SM (G657.A1)
Caractéristiques dimensionnelles	
Nombre de fibres optiques	96
Diamètre externe nominal (mm)	10.0 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	0.75 dB
Return Loss, Minimum, dB	45 dB
Caractéristiques d'utilisation	
Température ambiante d'utilisation, plage	-20...60 °C
Rayon de courbure minimum en utilisation dynamique	20 (xD)
Minimum bending radius, static (XD)	10