# LANmark-OF MPO-MPO fibre patch cord OFNP

- Aginode MPO patch cord adopts a slim cable design with OD of 3mm，this gives Datacenter user 19% more room in cable management in front of the panel
- The optical performance of Aginode MPO connector is better than industry level and can met international standards
- 12F indoor flexible optical cable
- Available for Single Mode and bend insensitive OM3/OM4
- Flame retardant performance met the OFNP standard according to UL 1651
- Straight polarity (Type B) according to TIA 568.3-E standard, Key Up/Key UP orientation
- Female MPO connectors both end



## STANDARDS

ISO/IEC 11801
ANSI/TIA-568.3-D

### Applications

Aginode MPO patch cords is designed to support Datacenter high speed network applications like 40G, 100G, 200G and 400G. Aginode' low loss optical performance can support at least 6 MPO connection to allow intermediate distributors in mega Datacenters. The MPO cable is optimized for OD and remain good pulling force and crush performance. Each MPO trunk is delivered with test report by factory to ensure performance.

### Features

- MPO connectors met IEC 61754-7-1 and GR-1435-CORE standards
- MPO connector for Multimode is PC and MPO connector for Singlemode is APC
- Flame retardant performance met the OFNP standard according to UL 1651
- Fibre can met IEC 60793-2-10 (A1a.2b OM3 and A1a.3b OM4) and IEC 60793-2-50 (B6_a1) and ITU-T G.657.A1 for Singlemode.

### Optical performance and polarity

- Typical insertion loss for a Ultra low-loss multimode MPO connector is 0.2 dB with a maximum of 0.35 dB insertion loss.
- Typical insertion loss for a low-loss singlemode MPO connector is 0.35 dB with a maximum of 0.5 dB insertion loss.

*All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Aginode is indicative only and shall not be binding on Aginode or be treated as constituting a representation on the part of Aginode.*

- The insertion loss of a MPO connector is measured according to standard IEC 61300-3-45.
- The minimum return loss for a multimode MPO connection is 20 dB . The minimum return loss for a singlemode MPO connection is 55 dB. The measurement is according to IEC 61300-3-6.

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## CHARACTERISTICS

### Dimensional characteristics

| | |
|---|---|
| Number of optical fibres | 12 |

### Usage characteristics

| | |
|---|---|
| Operating temperature, range | -20...60 °C |

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## Product list

| Aginode ref. | Country ref. | Name |
|---|---|---|
| N125.7SUAxxxNP | - | LANmark-OF MPO Patch Cord OM4 MethodB MPO12/PC Female - MPO12/PC Female 12Core LSZH Aqua Ultra Low Loss 10m |
| N125.7SUVxNP | - | LANmark-OF MPO-MPO patch cord, OM4, Straight, MPO Female-MPO female, 12core, OFNP, Violet, Ultra Low loss, xm |
| N125.7J10SUVxxxNP | - | LANmark-OF Base8 MPO patch cord, 16F MPO/APC Female-2x8 MPO/UPC Female, OM4, 400G polarity, OFNP, Violet, Ultra Low loss, xm |
| N125.4SUYxNP | - | LANmark-OF MPO-MPO patch cord, OS2 APC, G.657.A1, Straight, MPO Female-MPO female, 12core, OFNP, Yellow, Ultra Low loss, xm |

= Make to order, = In Stock

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