# LANmark-OF Slimflex Patch Cords Singlemode

- Optical fiber patch cords
- LANmark-OF singlemode performance
- GIGAliteFLEX bend insensitive fibre
- For use in cabinets and workplaces



## STANDARDS

ISO/IEC 11801

## Guarantees and installation

Aginode's LANmark-OF optical fibre patch cords have been designed for indoor applications in support of high speed protocols.
High speed protocols supported include, but are not limited to Ethernet 1GBase-LX and Ethernet 10GBase-LR

Details on the supported distances can be found in the LANmark-OF warranty modules.

Typical installation environments are:

- Cabinets to connect patch panels to active equipment.
- Cross connects in data centres.
- Suitable for use in the work area to connect the workstation to the wall outlet (Fibre To The Desk).

## Characteristics

- Patch cord cable is according to IEC 60794-2-50
- Maximum insertion loss according to IEC 61300-3-4: 0.25 dB
- Typical insertion loss: 0.1 dB
- Minimum return loss according to IEC 61300-3-6 for LC/UPC: 50 dB
- Minimum return loss according to IEC 61300-3-6 for LC/APC: 65 dB
- Duplex LC-LC, duplex LC-SC and duplex SC-SC patch cords have a duplex cable construction with a diameter of 2 X 2.0 mm.
- Short connector boots of 19mm
- Small bend radius: 10 mm
- A traceability label is added close to the connector

*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.*

**Fibre type**

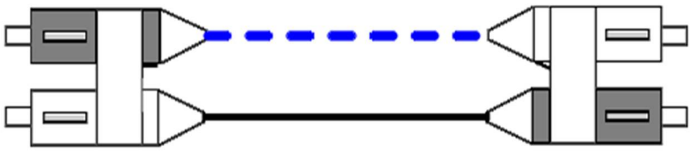
The LANmark-OF SM patch cords have LANmark-OF SM GIGA liteFLEX fibre inside. These fibres are bend insensitive and compliant to ITU-T G.657.A1 and to IEC 60793-2-50, fibre model B6.a1. The pigtail jacket of the singlemode pigtails is yellow.

## Design

Aginode's LANmark-OF patchcords designed according to the "Cross-Over" wiring principle to improve field installation (A1-B2, B1-A2). This conforms to the requirements of IEC 11801 and EN 50174-1:2009.

The "butterfly" duplex clip allows to change the polarity on site easily by simply removing the 2 connectors and put them in a reverse order back into the same clip. No tool is required for this polarity change.

## Schematic Polarity Patch Cord



Cross-over patch cord (A1 to B2 & B1 to A2)

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## CHARACTERISTICS

| | |
|---|---|
| **Construction characteristics** | |
| Fiber optic type | SingleMode 9/125 |
| Outer sheath | LSZH-FR |
| Connector type | SC-LC |
| Armour type | Aramid yarn |
| Colour | Yellow |
| **Mechanical characteristics** | |
| Maximum pulling force (IEC 60794-1-2-E1) | 200 N |
| Crush resistance (IEC 60794-1-E3) | 100 N/cm |
| **Transmission characteristics** | |
| Insertion Loss, maximum, dB | 0.25 dB |
| Return Loss, Minimum, dB | 50 dB |
| **Usage characteristics** | |
| Operating temperature, range | -10...50 °C |
| Minimum static operating bending radius | 10 mm |

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## Product list

| | Aginode ref. | Country ref. | Name | Connector type | Return Loss, Minimum, dB |
|---|---|---|---|---|---|
| | N122S.4CLYX | - | LANmark-OF Slimflex Simplex Patch Cord LC/UPC - SC/UPC SM LSZH Yellow X m | SC-LC | 50 (dB) |
| | N122.4DPYX | - | LANmark-OF Slimflex Patch Cord DLC/APC - DSC/APC SM LSZH Yellow X m | Duplex LC/APC-SC/APC | 65 (dB) |
| | N122.4CLYX | - | LANmark-OF Slimflex Patch Cord DLC/UPC - DSC/UPC SM LSZH Yellow X m | Duplex SC-LC | 50 (dB) |
| | N122.4CCYX | - | LANmark-OF Slimflex Patch Cord DSC/UPC - DSC/UPC SM LSZH Yellow X m | Duplex SC-SC | 50 (dB) |
| | N122.4DCYX | - | LANmark-OF Slimflex Patch Cord DSC/APC - DSC/UPC SM LSZH Yellow X m | Duplex SC/UPC-SC/APC | 50 (dB) |
| | N122.4DLYX | - | LANmark-OF Slimflex Patch Cord DLC/UPC - DSC/APC SM LSZH Yellow X m | Duplex LC/UPC-SC/APC | 50 (dB) |
| | N122.4CPYX | - | LANmark-OF Slimflex Patch Cord DLC/APC - DSC/UPC SM LSZH Yellow X m | Duplex LC/APC-SC/UPC | 50 (dB) |
| | N122.4PPYX | - | LANmark-OF Slimflex Patch Cord DLC/APC - DLC/APC SM LSZH Yellow X m | Duplex LC/APC-LC/APC | 65 (dB) |
| | N122.4LLYX | - | LANmark-OF Slimflex Patch Cord DLC/UPC - DLC/UPC SM LSZH Yellow X m | Duplex LC-LC | 50 (dB) |
| | N122.4PLYX | - | LANmark-OF Slimflex Patch Cord DLC/APC - DLC/UPC SM LSZH Yellow X m | Duplex LC/UPC-LC/APC | 50 (dB) |
| | N122.4DDYX | - | LANmark-OF Slimflex Patch Cord DSC/APC - DSC/APC SM LSZH Yellow X m | Duplex SC/APC-SC/APC | 65 (dB) |
| | N122S.4LLYX | - | LANmark-OF Slimflex Simplex Patch Cord LC/UPC-LC/UPC SM LSZH Xm Yellow | LC | 50 (dB) |

= Make to order, = In Stock

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