

# LANmark-OF Slimflex Patch Cords Singlemode

LANmark-OF Slimflex Patch Cord DSC/UPC - DSC/UPC SM LSZH

Yellow X m

**Nexans Ref.:** N122.4CCYX

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

## DESCRIPTION

### 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

### Fibre type

The LANmark-OF SM patch cords have LANmark-OF SM GIGAliteFLEX 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.



**LANmark-OF**

### STANDARDS

International ISO/IEC 11801



Flame retardant  
IEC 60332-1



Static bending rad.  
10 mm



Operating temp.  
-10 ... 50 °C

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

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## 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.

## CHARACTERISTICS

### Construction characteristics

Armour type	Aramid yarn
Colour	Yellow
Connector type	Duplex SC-SC
Fiber optic type	SingleMode 9/125
Outer sheath	LSZH-FR

### Dimensional characteristics

Width	4 mm
Height	2 mm
Nominal inner diameter	2.0 mm

### Transmission characteristics

Insertion Loss, maximum, dB	0.25 dB
Return Loss, Minimum, dB	50 dB

### Mechanical characteristics

Crush resistance (IEC 60794-1-E3)	100 N/cm
Maximum pulling force (IEC 60794-1-2-E1)	200 N

### Usage characteristics

Flame retardant	IEC 60332-1
Minimum static operating bending radius	10 mm
Operating temperature, range	-10 ... 50 °C



Flame retardant  
IEC 60332-1



Static bending rad.  
10 mm



Operating temp.  
-10 ... 50 °C

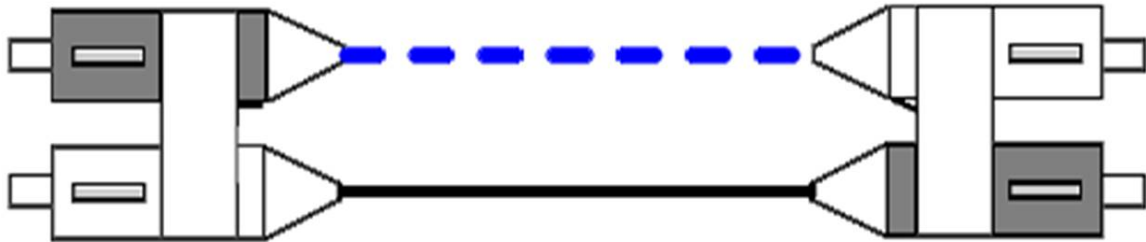
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## SCHEMATIC POLARITY PATCH CORD



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