LANmark Power-OF Cable 1.5 mm²

LANMARK POWER-OF 2X1,5 B2CA WHITE

Aginode Ref: NFP1.A24A2A-WB

Hybrid cable with optical fibres and power conductors, designed for fixed installations requiring high fire performance.

- 2 x G.657.A2 fibres (Ø 0.9 mm)
- 2 x 1.5 mm² copper conductors
- White LSZH sheath – UV resistant
- CPR classification: **B2ca**
- Indoor cable



Hybrid cable integrating optical and power transmission in a single compact design. Each function is built as a separate sub-unit:



Fibre Unit

- 2 single-mode fibres (G.657.A2)
- Tight buffer Ø 0.9 mm
- Aramid yarns
- LSZH flame-retardant sheath Ø 2.0 mm

Power Unit

- 2 x 1.5 mm² stranded bare copper
- LSZH flame-retardant insulation Ø 2.9 mm
- Water-blocking tape
- LSZH sheath Ø 7.0 mm – UV resistant

General

- Outer sheath: white LSZH
- Fire rating: **EN 50575**
- Standards: **RoHS 2011/65/EU**, **REACH EC 1907/2006**

Application:

- Indoor routing

STANDARDS

EN 50575
IEC 60228

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.

LANmark Power-OF 2x1,5 B2ca White

Characteristics

Construction characteristics	
Sheath colour	White - RAL 9010
Insulating material	EN 50290-2-26 (LSZH)
Colour	Data : blue and green - Power : black and blue
Dimensional characteristics	
Nominal weight	90 kg/km g/m
Electrical characteristics	
Maximum rated voltage	450/750 V (Uo/U) kV
Conductor electrical resistance	13.3 Ω/km (@ 20°C) Ohm/km
Test voltage	no break down V
Insulation resistance	0.01 MΩ/km (@70°C) GOhm.km
Mechanical characteristics	
Crush resistance	300 N (Plate/plate) kN
Maximum installation tension	150 N
Transmission characteristics	
Maximum/typical @ 1310 nm	0.40/0.34 db/km
Maximum/typical @ 1550 nm	0.25/0.20 db/km
Maximum/typical @ 1625 nm	0.40/0.22 db/km
Usage characteristics	
Installation temperature, range	-15...50 °C
Storage temperature, range	-40...70 °C
Minimum dynamic operating bending radius	82 mm
Minimum bending radius, static (XD)	42
Maximum operating temperature	-30...70 °C
Fire resistant	EN50575 - B2ca Regulation (UE) 1907/2006/CE Directive 2011/65

DoP : Declaration of Performance

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