LANmark Power-OF Cable 1.5 mm²

LANMARK POWER-OF 2X1,5 WHITE

Aginode Ref: NFP1.A24A2A-WE

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
- 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 to 4 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
- Standards: **RoHS 2011/65/EU**, **REACH EC 1907/2006**

Application:

- Indoor routing



STANDARDS

EN 50575
IEC 60228

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Characteristics

Construction characteristics	
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	.

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