

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

LANmark Power-OF 2x1,5 White

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 (U _o /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 | . |