



Nexans Ref.: 14110156-412-25

Country Ref.: 0445703

EAN 13: 7330000079175

FIRE PERFORMANCE CLASS



Dca-s2,d2,a2

Lifemark™

The cable may be used for permanent installation on ladders, directly in walls, concrete, in conduits or ducts. For use indoors and outdoors but not in ground or water. The cable have protection against exposure of UV light.

STANDARDS

Product SS 424 02 19-5

National Factory standard

DESCRIPTION

The cable is a halogen free, XLPE insulated and HFFR sheathed house wiring cable with circular, solid copper conductors. The cable is designed according to SS 424 02 19-5iap. The conductors have resistance and number of wires according to EN 60228 class 1. The cores are identified by colours according to HD 308. The sheath is marked: Cable type/ size/ NEXANS GS /year+month/metre marking. The cable meets the requirements for fire classification according to CPR Dcas2d2a2 and have protection against exposure of UV light according to HD 626 S1 part 2.5.1. The conductor insulation shall be protected against UV light that can occur for example in light fixtures and light signs.

Lifemark™ recycling marking

The external surface of the outer sheath is embossed with a text which specifies all components in the polymers and prepares the cable for future recycling.

Quality and environmental management system

Certified according to ISO 9001, ISO/TS 16949 and ISO 14001.



Conductor flexibility
Solid



Halogen free
Yes



Rated Voltage Uo/U
(Um)
300/500 V



Minimum installation temperature
-10 °C



Maximum operating temperature
70 °C



Ambient static op. temp
-40 ... 70 °C



Bending factor when laying
5 (xD)



Bending factor installed
3 (xD)

CHARACTERISTICS

Construction characteristics

| | |
|--------------------------------|-------------------|
| Conductor material | Copper |
| Conductor shape | Circular |
| With Green/Yellow core | Yes |
| Conductor flexibility | Solid |
| Insulation | XLPE 70 degrees |
| Outer sheath | HFFR (polyolefin) |
| Colour | White |
| Halogen free | Yes |
| With smaller neutral conductor | No |

Dimensional characteristics

| | |
|--|---------------------|
| Number of cores | 3 |
| Conductor cross-section | 1.5 mm ² |
| Conductor diameter | 1.4 mm |
| Nominal outer diameter | 7.8 mm |
| Approximate weight | 9.3 kg/100m |
| Average insulation thickness | 0.5 mm |
| Average sheath thickness | 1.2 mm |
| Neutral conductor section (when smaller) | - mm ² |

Electrical characteristics

| | |
|---|-------------|
| Rated Voltage U _o /U (U _m) | 300/500 V |
| Max. DC resistance of the conductor at 20°C | 12.1 Ohm/km |

Usage characteristics

| | |
|---|----------------|
| Minimum installation temperature | -10 °C |
| Maximum operating temperature | 70 °C |
| Short-circuit max. conductor temperature | 250 °C |
| Ambient static operating temperature, range | -40 ... 70 °C |
| Length | 300 m |
| Bending factor when laying | 5 (xD) |
| Bending factor when installed | 3 (xD) |
| Packaging | Reel |
| Smoke density | IEC 61034 |
| Gases corrosivity | IEC 60754-2 |
| U.V resistance | Yes |
| Installation type | Indoor/Outdoor |

SELLING AND DELIVERY INFORMATION

The cable will be delivered in lengths of 50 to 500 m. The drum is marked with manufacturer, type of cable and length.