



**Nexans Ref.:** 14110484-412-70

**Country Ref.:** 0445737

**EAN 13:** 7330000202313

### 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	2.5 mm <sup>2</sup>
Conductor diameter	1.8 mm
Nominal outer diameter	8.5 mm
Approximate weight	13.2 kg/100m
Average insulation thickness	0.6 mm
Average sheath thickness	1.2 mm
Neutral conductor section (when smaller)	- mm <sup>2</sup>

#### Electrical characteristics

Rated Voltage U <sub>0</sub> /U (Um)	300/500 V
Max. DC resistance of the conductor at 20°C	7.41 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	60 m
Bending factor when laying	5 (xD)
Bending factor when installed	3 (xD)
Packaging	Cable guy
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.