



**Nexans Ref.:** 10581845  
**Country Ref.:** 1050728  
**EAN 13:** 7045210138771

### FIRE PERFORMANCE CLASS



Dca-s2,d2,a1

The cable may be used for permanent installation on ladders, directly in walls, in conduits or ducts. For use indoors and outdoors but not in ground or water.

### STANDARDS

**Test** IEC 60332-1-2

**National** NEK 591

### DESCRIPTION

The cable is a halogen free, HFFR insulated sheathed house wiring cable with circular, solid copper conductors. The cable is designed according to NEK 591. 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 Dca -s2d2a2.

### QUALITY AND ENVIRONMENTAL MANAGEMENT SYSTEM

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



Conductor flexibility  
Solid class 1



Lead free  
Yes



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



Flame retardant  
IEC 60332-1



Maximum operating temperature  
70 °C

### CHARACTERISTICS

#### Construction characteristics

Conductor flexibility	Solid class 1
Conductor material	Annealed copper
Conductor shape	Circular
Insulation	Halogen free compound
Lead free	Yes
Material of filler / inner sheath	PE
Outer sheath	Halogen free compound
Sheath colour	White
Type of conductor	Circular, solid
With Green/Yellow core	Yes

#### Dimensional characteristics

Conductor cross-section	2.5 mm <sup>2</sup>
Number of cores	3
Nominal outer diameter	8.6 mm
Approximate weight	12.8 kg/100m
Approximate weight	128 kg/km
Conductor diameter	1.8 mm

#### Electrical characteristics

Rated Voltage U <sub>o</sub> /U (Um)	300/500 V
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#### Usage characteristics

Flame retardant	IEC 60332-1
Length	50 m
Maximum operating temperature	70 °C
Packaging	E4

### ENVIRONMENTAL DATA

This product is part of the **low carbon** range of Nexans : a selection of products ensuring the reduction of the carbon footprint and subject to rigorous ecodesign criteria.

Nexans Low Carbon Selection Criteria: minimum integration of 10% recycled copper or aluminum and/or 100% low-carbon aluminum sourcing.

#### Global Carbon Footprint

**535.4 kg**

- Amount of CO<sub>2</sub> emitted Cradle to Gate phase (raw material collection and manufacturing), for the production of 1 km of cable.

#### Recycled copper ratio

**10%**

- Percentage of recycled metal in the cable conductor.

### SELLING AND DELIVERY INFORMATION

IFXI EASY 500V will be delivered on E4 Mobipay drums in lengths of 150-300m. The cables will also be available on our new EASYpack smart packaging.