

# FXQ Easy™ 1kV (CPR)

FXQ Easy™ 1kV 3G1,5

Nexans Ref.: 15100198

Country Ref.: 0622881

The cable may be used for fixed installation indoors and outdoors in air, ground and water.

## DESCRIPTION

FXQ Easy™ 1 kV is a PEX-insulated and HFFR-sheathed house wiring cable with circular, stranded copper conductors. The cable is designed according to SS 424 14 18 in applicable parts. The conductors have resistance and number of wires according to EN 60228 class 2. The cores are identified by colours according to HD 308. The cable has a white inner layer of the sheath. The inner layer have longitudinal ridges which make the cable extremely easy to strip and resistant against pressure and impact. The sheath is marked type/manufacturer/year+month/metre marking. FXQ Easy™ 1 kV meets the requirements for flammability class Dcas2d2a2 according to CPR 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, IRIS, ISO/TS 16949 and ISO 14001.



# Lifemark™

## DECLARATION OF PERFORMANCE

Dca-s2,d2,a2

## STANDARDS

International HD 603 S1/50

National SS 424 14 18



Conductor flexibility  
Class 2



Halogen free  
Yes



Rated Voltage Uo/U  
(Um)  
0.6/1 kV



Cable flexibility  
-



Minimum installation  
temperature  
-15 °C



Maximum operating  
temperature  
90 °C



Bending factor  
when laying  
8 (xD)



U.V resistance  
Yes

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

Generated 1/6/23 www.nexans.fi Page 1 / 2

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## CHARACTERISTICS

### Construction characteristics

Conductor material	Copper
Conductor shape	Round, stranded
With Green/Yellow core	Yes
Insulation	XLPE (Cross-linked Polyethylene)
Outer sheath	HFFR (polyolefin)
Colour	Black
Conductor flexibility	Class 2
Halogen free	Yes
With smaller neutral conductor	No

### Dimensional characteristics

Nominal outer diameter	9.9 mm
Number of cores	3
Conductor cross-section	1.5 mm <sup>2</sup>
Conductor diameter	1.4 mm
Approximate weight	14.0 kg/100m
Average insulation thickness	0.7 mm
Average sheath thickness	1.8 mm
Neutral conductor section (when smaller)	- mm <sup>2</sup>

### Electrical characteristics

Max. DC resistance of the conductor at 20°C	12.1 Ohm/km
Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	0.6/1 kV

### Mechanical characteristics

Cable flexibility	-
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### Usage characteristics

Minimum installation temperature	-15 °C
Maximum operating temperature	90 °C
Short-circuit max. conductor temperature	250 °C
Length	500 m
Bending factor when laying	8 (xD)
Packaging	K6
U.V resistance	Yes
Gases toxicity	Low toxicity to IEC 60754
Minimum operating temperature	-40 °C
Smoke density	IEC 61034

## SELLING AND DELIVERY INFORMATION

FXQ Easy™ 1 kV will be delivered in lengths of 50 and 500 m. The packaging is marked with manufacturer, type of cable and length.

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Generated 1/6/23 www.nexans.fi Page 2 / 2

The Nexans logo consists of a stylized red 'N' followed by the word 'Nexans' in a black, sans-serif font.