

# FXQJ 1kV

FXQJ 1 kV 4X16/16

Nexans Ref.: 15133598  
Country Ref.: 0014405  
EAN 13: 7330000078444

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

## DESCRIPTION

FXQJ is a halogen free, XLPE-insulated, HFFR-sheathed cable with circular, stranded copper conductors for cross-sections up to 35 mm<sup>2</sup>. Other cross-sections have sector shaped, stranded copper conductors. The cable has a screen of annealed copper wires with opposite open helix of copper. FXQJ is designed according to HD 603. The conductors have resistance and number of wires according to IEC 60228 class 2. The cores are identified by colours according to HD 308. The cable has an extruded filler. The sheath is marked type/manufacturer/year+month/metre marking. FXQJ meets the requirements for fire classification Dca-s2,d2,a2 according to CPR. The cable is certified by Intertek SEMKO.

### Lifemark(TM) 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.

### Standards

FXQJ is manufactured and tested according to HD 603.S1-3L in applicable parts. The cable can be loaded according to SS 424 14 24.

### Certification

Approved by Intertek SEMKO.

### Quality system

Designed, manufactured and tested in accordance with ISO 9001.

### Environmental management system

The activities at our plant in Grimsås are certified to ISO 14001.



Lifemark™

## DECLARATION OF PERFORMANCE

Dca-s2,d2,a2

## STANDARDS

International HD 603 S1/3L

National SS 424 14 18



Conductor flexibility  
**Stranded**



Halogen free  
**Yes**



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



Minimum installation temperature  
**-10 °C**



Maximum operating temperature  
**90 °C**



Smoke density  
**Low**



Ambient static op. temp  
**-40 - 70 °C**



Bending factor installed  
**8 (xD)**

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.

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### CHARACTERISTICS

#### Construction characteristics

Conductor material	Copper
Conductor flexibility	Stranded
Insulation	XLPE (chemical)
Outer sheath	HFFR (polyolefin)
Colour	Black
Halogen free	Yes
Conductor shape	Round normal
With Green/Yellow core	No
With smaller neutral conductor	No

#### Dimensional characteristics

Conductor cross-section	16 mm <sup>2</sup>
Conductor diameter	4.8 mm
Number of cores	4
Average insulation thickness	0.7 mm
Screen section	16 mm <sup>2</sup>
Average sheath thickness	1.8 mm
Nominal outer diameter	23.0 mm
Approximate weight	106.0 kg/100m
Neutral conductor section (when smaller)	- mm <sup>2</sup>

#### Electrical characteristics

Max. DC resistance of the conductor at 20°C	1.15 Ohm/km
Resistance of the screen	1.16 Ohm/km
Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	0.6/1 kV

#### Usage characteristics

Minimum installation temperature	-10 °C
Recommended minimum installation temperature	0 °C
Maximum operating temperature	90 °C
Short-circuit max. conductor temperature	250 °C
Length	500 m
Packaging	K10
Smoke density	Low
Ambient static operating temperature, range	-40 - 70 °C
Bending factor when installed	8 (xD)
Bending factor when laying	12 (xD)
Gases corrosivity	IEC 60754-2
Installation type	Indoor/Outdoor
U.V resistance	Yes

### SELLING AND DELIVERY INFORMATION

FXQJ will be delivered in lengths of 500 m .The drum is marked with manufacturer, type of cable and length. The ends of the cable are sealed.

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