

# EXQJ 1 kV

EXQJ 1 kV 3X6/6

Nexans Ref.: 15121898

Country Ref.: 0014135

EAN 13: 7330000078277

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

## DESCRIPTION

EXQJ is a halogen free, XLPE-insulated, HFFR-sheathed cable with circular, solid, copper conductors. The cable has a screen of annealed copper wires with opposite open helix of copper. EXQJ is designed according to HD 603. The conductors have resistance and number of wires according to IEC 60228 class 1. The cores are identified by colours according to HD 308. The cable has an extruded filler. The sheath is marked type/manufacturer/year+month/meter marking. EXQJ 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

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

### Certification

Approved by Intertek SEMKO.

### 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 S1/3L

National SS 424 14 18



Halogen free  
Yes



Conductor flexibility  
Solid



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



Minimum  
installation  
temperature  
-10 °C



U.V resistance  
Yes



Maximum operating  
temperature  
90 °C



Operation bending  
rad.  
120 mm



Static bending rad.  
150 mm

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 shape	Round, massive
Insulation	XLPE (chemical)
Outer sheath	HFFR (polyolefin)
Colour	Black
Halogen free	Yes
Conductor flexibility	Solid
With Green/Yellow core	No
With smaller neutral conductor	No

### Dimensional characteristics

Number of cores	3
Conductor cross-section	6 mm <sup>2</sup>
Average insulation thickness	0.7 mm
Screen section	6 mm <sup>2</sup>
Average sheath thickness	1.8 mm
Nominal outer diameter	15.0 mm
Approximate weight	42.0 kg/100m
Neutral conductor section (when smaller)	- mm <sup>2</sup>

### Electrical characteristics

Max. DC resistance of the conductor at 20°C	3.08 Ohm/km
Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	0.6/1 kV
Resistance of the screen	3.08 Ohm/km

### Usage characteristics

Minimum installation temperature	-10 °C
Recommended minimum installation temperature	0 °C
U.V resistance	Yes
Maximum operating temperature	90 °C
Short-circuit max. conductor temperature	250 °C
Length	500 m
Packaging	K8
Laying operation bending radius	120 mm
Minimum static operating bending radius	150 mm
Gases corrosivity	IEC 60754
Ambient static operating temperature, range	-40 - 70 °C
Bending factor when installed	8 (xD)
Bending factor when laying	12 (xD)
Installation type	Indoor/Outdoor
Smoke density	IEC 61034

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## SELLING AND DELIVERY INFORMATION

EXQJ 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.