

EXQJ 1 kV

EXQJ 1 kV 4X6/6

Nexans Ref.: 15123398

Country Ref.: 0014185

EAN 13: 7330000078338

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.
128 mm



Static bending rad.
160 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.

Generated 12/1/22 www.nexans.se Page 1 / 3

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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 | 4 |
| Conductor cross-section | 6 mm ² |
| Average insulation thickness | 0.7 mm |
| Screen section | 6 mm ² |
| Average sheath thickness | 1.8 mm |
| Nominal outer diameter | 16.0 mm |
| Approximate weight | 50.0 kg/100m |
| Neutral conductor section (when smaller) | - mm ² |

Electrical characteristics

| | |
|---|-------------|
| Max. DC resistance of the conductor at 20°C | 3.08 Ohm/km |
| Rated Voltage U ₀ /U (U _m) | 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 | 128 mm |
| Minimum static operating bending radius | 160 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.