

IFSI-EMC 0,6/1 kV Cu (3x2,5 - 4x240 mm²) w/Cu-screen

FXQJ EMC 1 kV 3x240/120

Nexans Ref.: 10243594

Country Ref.: 1067350

EAN 13: 7045210075809

The cable may be used for fixed installation indoors and outdoors in air, ground and water and it is suitable for use in industrial facilities and other establishments there EMI may cause problems.

DESCRIPTION

FXQJMCMK HF EMC is a halogen free, XLPE-insulated, HFFR-sheathed cable with circular, stranded copper conductors for cross-sections up to 35 mm². Other cross-sections have sector shaped, stranded copper conductors. The outer sheath is UV-protected. FXQJ/MCMK HF EMC is designed according to HD 603. The cable has a screen of annealed copper wires with opposite overlapping helix of copper tape. The copper screen has an optical coverage of 100 % and fulfil the EMC directive when it is correct installed. 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 sheath is marked type/manufacturer/year+month/metre marking. FXQJ/MCMK HF EMC meets the requirements for flammability according IEC 60332-3 category B (F4B). The cable is certified by 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/MCMK HF EMC 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 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 604.5D

National NEK HD 604-5D;
NEK IEC 60754-1;
NEK IEC 60754-2 ;
NEK IEC 61034; 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



U.V resistance
Yes



Electro magnetic interference resistance



Water proof
Good

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 12/5/21 www.nexans.no Page 1 / 2

IFSI-EMC 0,6/1 kV Cu (3x2,5 - 4x240 mm²) w/Cu-screen

FXQJ EMC 1 kV 3x240/120

CHARACTERISTICS

Construction characteristics

Conductor material	Bare copper
Conductor flexibility	Stranded
Insulation	XLPE (chemical)
Outer sheath	HFFR (polyolefin)
Colour	Black
Halogen free	Yes
Conductor shape	Sector-shaped
With Green/Yellow core	No
With smaller neutral conductor	No

Dimensional characteristics

Conductor diameter	- mm
Number of cores	3
Average insulation thickness	1.7 mm
Screen section	120 mm ²
Average sheath thickness	2.8 mm
Nominal outer diameter	52.0 mm
Approximate weight	860.0 kg/100m
Conductor cross-section	240 mm ²
Neutral conductor section (when smaller)	- mm ²

Electrical characteristics

Max. DC resistance of the conductor at 20°C	0.0754 Ohm/km
Resistance of the screen	0.15 Ohm/km
Rated Voltage U ₀ /U (U _m)	0.6/1 kV

Usage characteristics

Minimum installation temperature	-10 °C
Recommended minimum installation temperature	0 °C
Maximum operating temperature	90 °C
U.V resistance	Yes
Short-circuit max. conductor temperature	250 °C
Electro magnetic interference resistance	
Packaging	K22
Water proof	Good
Length	500 m
Bending factor when installed	8 (xD)
Bending factor when laying	12 (xD)
Gases corrosivity	IEC 60754-2
Installation type	Indoor/Outdoor
Minimum operating temperature	-40 °C
Smoke density	IEC 61034

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 12/5/21 www.nexans.no Page 2 / 2

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