

AXQJ /AMCMK HF 1kV (CPR)

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

DESCRIPTION

AXQJ/AMCMK HF is a halogen free, XLPE-insulated, HFFR-sheathed cable with round aluminium conductors up to and including 35 mm² and with sector shaped, stranded aluminium conductors from 50 mm². The cable has a screen of annealed copper wires with opposite open helix of copper. AXQJ/AMCMK HF 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 sheath is marked type/manufacturer/year+month/metre marking. AXQJ/AMCK HF meets the requirements for fire classification according to CPR D_{ca}S2d2a2. The cable is certified by Intertek SEMKO.

Standards

AXQJ/AMCMK HF is manufactured and tested according to HD 603 3-L. The cable can be loaded in accordance with national regulations on electrical installations.

Certification

Approved by Intertek SEMKO.

Quality and environmental management system

Certified according to ISO 9001, IRIS, ISO/TS 16949 and ISO 14001.

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.

EcoCalculator

Choose the best cable solution to achieve Energy Efficiency, reduced Carbon Footprint and improved Safety of people in case of fire, whilst ensuring a good return on Investment.



Lifemark™

STANDARDS

International HD 603 S1/3L



Halogen free
Yes



Conductor flexibility
Class 2



Rated Voltage U_o/U
(U_m)
0.6/1 kV



Minimum installation
temperature
-10 °C



Maximum operating
temperature
90 °C



Smoke density
IEC 61034



U.V resistance
Very 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.

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Nexans

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CHARACTERISTICS

Construction characteristics

Conductor material	Aluminum
Insulation	XLPE (chemical)
Outer sheath	HFFR (polyolefin)
Colour	Black
Halogen free	Yes
Conductor flexibility	Class 2












Electrical characteristics

Rated Voltage Uo/U (Um)	0.6/1 kV
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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
Installation type	-
Smoke density	IEC 61034
U.V resistance	Very good

PRODUCT LIST

Nexans Ref.	Country Ref.	Name	Number of cores	Conductor cross-section [mm ²]	Nominal outer diameter [mm]
 15152498	0622854	AXQJ 1 kV 3X70/21	3	70	30.0
 15152698	0622857	AXQJ 1 kV 3X120/41	3	120	38.0
 15152898	0622859	AXQJ 1 kV 3X185/57	3	185	45.0
 15152398	0622853	AXQJ 1 kV 3X50/16	3	50	26.0
 15152598	0622855	AXQJ 1 kV 3X95/29	3	95	33.0
 15152798	0622858	AXQJ 1 kV 3X150/41	3	150	41.0
 15152998	0622860	AXQJ 1 kV 3X240/72	3	240	51.0
 15153098	0622861	AXQJ 1 kV 3X300/88	3	300	55.0
 15153898	0622862	AXQJ 1 kV 4X50/16	4	50	29.3
 15153998	0622863	AXQJ 1 kV 4X70/21	4	70	33.3
 15154098	0622864	AXQJ 1 kV 4X95/29	4	95	37.0







 = Make to order,  = In stock,



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Nexans Ref.	Country Ref.	Name	Number of cores	Conductor cross-section [mm ²]	Nominal outer diameter [mm]
 15154198	0622865	AXQJ 1 kV 4X120/41	4	120	42.0
 15154298	0622866	AXQJ 1 kV 4X150/41	4	150	46.0
 15154398	0622867	AXQJ 1 kV 4X185/57	4	185	51.0
 15154498	0622868	AXQJ 1 kV 4X240/72	4	240	57.0
 15154598	0622878	AXQJ 1 kV 4X300/88	4	300	63.0
 15153798	0622877	AXQJ 1 kV 4x35/16	4	35	28.5

 = Make to order,  = In stock,

SELLING AND DELIVERY INFORMATION

AXQJ/AMCMK HF 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.