

EQFR 450/750 V

EQFR 450/750 V 19X1,5

Contact

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Nexans ref.: [16174498](#)

Country ref.: 0127645

GTIN: 7330000075801

The cable may be used for fixed installation indoors and outdoors, also in ground and water, for control and signalling functions in power electrical applications.

DESCRIPTION

EQFR is a halogen free HFFR-insulated, copper wire screened, HFFR-sheathed control cable with circular, solid copper conductors. The cable is designed according to HD 627 in applicable parts. 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 sheath is marked type/manufacturer/year+month/metre marking. EQFR meets the fire requirements according to CPR D_{ca}s2d2 and emits no corrosive gases when burning and has low smoke production. The cable is certified by Intertek.

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

EQFR is manufactured and tested according to SS 424 03 21 in applicable parts.

Certification

Certified by Intertek.

Quality and environmental management system

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



Lifemark™

DECLARATION OF PERFORMANCE

Reaction to fire: D_{ca}-s2,d2,a2
according to EN50575:2014
+A1:2016

STANDARDS

National SS 424 03 21



Reaction to fire
D_{ca}-s2,d2,a2



Halogen free
Yes



Rated Voltage U_o/U
(U_m)
450 / 750 V



Minimum installation
temperature
-10 °C



Maximum operating
temperature
70 °C



Bending factor when
laying
8 (xD)



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.

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CHARACTERISTICS

Construction characteristics

Conductor material	Copper
Conductor shape	Round normal
Insulation	Halogen free polyolefin
Insulation colour	White
Screen	Copper wires
Core identification	Numbers
Outer sheath	HFFR (polyolefin)
Colour	Grey
Halogen free	Yes

Dimensional characteristics

Number of cores	19
Conductor cross-section	1.5 mm ²
Average insulation thickness	0.7 mm
Average sheath thickness	1.5 mm
Nominal outer diameter	19.0 mm
Approximate weight	54.0 kg/100m

Electrical characteristics

Max. DC resistance of the conductor at 20°C	12.1 Ohm/km
Resistance of the screen	2.7 Ohm/km
Rated Voltage U ₀ /U (Um)	450 / 750 V

Usage characteristics

Minimum installation temperature	-10 °C
Recommended minimum installation temperature	0 °C
Maximum operating temperature	70 °C
Short-circuit max. conductor temperature	150 °C
Bending factor when laying	8 (xD)
Length	500 m
Packaging	K9
Water proof	Good

SELLING INFORMATION

EQFR 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.