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FIRE PERFORMANCE CLASS



Dca-s2,d2,a2

Lifemark™

International Designation: FQQR 450/750 V 4x1,0

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

STANDARDS

Product HD 627.4 S1/C1

National SS 424 03 21

DESCRIPTION

FQQR is a halogen free HFFR-insulated, HFFR-sheathed control cable with circular, stranded 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 2. The cores are identified by colours according to HD 308. The sheath is marked type/manufacturer/year+month/metre marking. FQQR meets the requirements for fire classification according to CPR class Dcas2d2a2 and emits no corrosive gases when burning and has low smoke production. The cable is certified by Intertek SEMKO.

Lifemark™ 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.

Certification

Certified by Intertek Semko.

Quality and environmental management system

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



Halogen free
Yes



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



Minimum installation temperature
-10 °C



Maximum operating temperature
70 °C



Minimum operating temperature
-40 °C



Bending factor when laying
8 (xD)

CHARACTERISTICS

Construction characteristics

Conductor material	Copper
Conductor shape	Round, stranded
Insulation	Halogen free polyolefin
Colour	Grey
Outer sheath	HFFR (polyolefin)
Halogen free	Yes

Dimensional characteristics

Number of cores	4
Conductor cross-section	1 mm ²
Average insulation thickness	0.7 mm
Average sheath thickness	1.5 mm
Nominal outer diameter	10.3 mm
Approximate weight	15.0 kg/100m

Electrical characteristics

Max. DC resistance of the conductor at 20°C	18.1 Ohm/km
Rated Voltage U ₀ /U (U _m)	450/750 V

Usage characteristics

Minimum installation temperature	-10 °C
Recommended minimum installation temperature	0 °C
Maximum operating temperature	70 °C
Minimum operating temperature	-40 °C
Length	500 m
Packaging	K6
Bending factor when laying	8 (xD)
Short-circuit max. conductor temperature	150 °C

SELLING AND DELIVERY INFORMATION

FQQR 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.