



**Nexans Ref.:** 16174798-898-05

**Country Ref.:** 0127685

**EAN 13:** 7330000075863

### FIRE PERFORMANCE CLASS



D<sub>ca</sub>-s2,d2,a2

Lifemark™

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.

### STANDARDS

**National** SS 424 03 21

### 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 numbers according to HD 308. The sheath is marked type/manufacturer/year+month/metre marking. EQFR meets the fire requirements according to CPR Dcas2d2a2 and emits no corrosive gases when burning and has low smoke production. The cable is certified by Intertek.

### 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.

### 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, ISO/TS 16949 and ISO 14001.



Halogen free  
**Yes**



Rated Voltage U<sub>0</sub>/U  
(Um)  
**450/750 V**



Minimum  
installation  
temperature  
**-10 °C**



Maximum operating  
temperature  
**70 °C**



Minimum operating  
temperature  
**-35 °C**



Bending factor  
when laying  
**8 (xD)**



U.V resistance  
**Yes**



Water proof  
**Good**

### CHARACTERISTICS

#### Construction characteristics

Conductor material	Copper
Conductor shape	Round normal
Insulation	Halogen free polyolefin
Insulation colour	White
Screen	Copper wires / 6mm <sup>2</sup>
Core identification	Numbers
Outer sheath	HFFR (polyolefin)
Colour	Grey
Halogen free	Yes

#### Dimensional characteristics

Number of cores	48
Number of pairs	-
Conductor cross-section	1.5 mm <sup>2</sup>
Average insulation thickness	0.7 mm
Average sheath thickness	2.1 mm
Nominal outer diameter	29.0 mm
Approximate weight	122.0 kg/100m

#### Electrical characteristics

Max. DC resistance of the conductor at 20°C	12.1 Ohm/km
Resistance of the screen	2.4 Ohm/km
Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	450/750 V

#### Usage characteristics

Minimum installation temperature	-10 °C
Recommended minimum installation temperature	0 °C
Maximum operating temperature	70 °C
Minimum operating temperature	-35 °C
Short-circuit max. conductor temperature	160 °C
Bending factor when laying	8 (xD)
Length	500 m
Packaging	K12
U.V resistance	Yes
Water proof	Good

### SELLING AND DELIVERY 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.