



Nexans Ref.: 16174698-898-05

Country Ref.: 0127665

EAN 13: 7330000075849

FIRE PERFORMANCE CLASS



D_{ca}-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_o/U_m
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 ² |
| Core identification | Numbers |
| Outer sheath | HFFR (polyolefin) |
| Colour | Grey |
| Halogen free | Yes |

Dimensional characteristics

| | |
|------------------------------|---------------------|
| Number of cores | 37 |
| Number of pairs | - |
| Conductor cross-section | 1.5 mm ² |
| Average insulation thickness | 0.7 mm |
| Average sheath thickness | 1.7 mm |
| Nominal outer diameter | 25.0 mm |
| Approximate weight | 94.0 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 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 | -35 °C |
| Short-circuit max. conductor temperature | 160 °C |
| Bending factor when laying | 8 (xD) |
| Length | 500 m |
| Packaging | K11 |
| 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.