



**Nexans Ref.:** 16162598-898-05

**Country Ref.:** 0127585

**EAN 13:** 7330000075689

### FIRE PERFORMANCE CLASS



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

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

EQQR is a halogen free HFFR-insulated, 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/IEC marking/year+month/metre marking. EQQR meets the fire requirements according to CPR class Dcas2d2a2 and emits no corrosive gases when burning and has low smoke production. The conductor insulation shall be protected against UV light. 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

EQQR is manufactured and tested according to HD 627.4-C1 in applicable parts.

### Certification

Approved 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



Operation bending rad.  
136 mm



U.V resistance  
Yes

### CHARACTERISTICS

#### Construction characteristics

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

#### Dimensional characteristics

Number of cores	19
Conductor cross-section	1.5 mm <sup>2</sup>
Average insulation thickness	0.7 mm
Average sheath thickness	1.5 mm
Nominal outer diameter	17.0 mm
Approximate weight	45.0 kg/100m

#### Electrical characteristics

Max. DC resistance of the conductor at 20°C	12.1 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
Short-circuit max. conductor temperature	150 °C
Length	500 m
Packaging	K8
Laying operation bending radius	136 mm
U.V resistance	Yes

### SELLING AND DELIVERY INFORMATION

EQQR 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.