

# EQQR /MMO HF 450/750V (CPR)

EQQR 450/750 V 12X1,5

Nexans Ref.: 16162398

Country Ref.: 0406682

EAN 13: 7330000080911

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

## 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 colours according to HD 308. The sheath is marked type/manufacturer/flema propagation/year+month/metre marking. EQQR meets the fire requirements according to CPR class Dca-s2,d2,a2 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(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

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, IRIS, ISO/TS 16949 and ISO 14001.



# Lifemark™

## DECLARATION OF PERFORMANCE

Dca-s2,d2,a2

## STANDARDS

International HD 627.4 S1/C1



Halogen free  
Yes



Rated Voltage Uo/U (Um)  
450 / 750 V



Minimum installation temperature  
-10 °C



Maximum operating temperature  
70 °C



Operation bending rad.  
118 mm



U.V resistance  
Yes

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	Circular
Insulation	Halogen free polyolefin
Outer sheath	HFFR (polyolefin)
Colour	Grey
Halogen free	Yes

### Dimensional characteristics

Number of cores	12
Conductor cross-section	1.5 mm <sup>2</sup>
Average insulation thickness	0.7 mm
Average sheath thickness	1.5 mm
Nominal outer diameter	14.7 mm
Approximate weight	35.5 kg/100m

### Electrical characteristics

Max. DC resistance of the conductor at 20°C	12.1 Ohm/km
Rated Voltage U <sub>o</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	K7
Laying operation bending radius	118 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.