



Nexans Ref.: 14141098-412-05

### FIRE PERFORMANCE CLASS



Dca-s2,d2,a2

The cable may be used for permanent installation on ladders, directly in walls, concrete, in conduits or ducts. The cable has a small outer diameter and can be pulled i.e. existing pipes as feeder cable to apartments in renovation project. For use indoors and outdoors but not in ground or water. The cable have protection against exposure of UV-light.

### DESCRIPTION

MQQ is a halogen free, HFFR-insulated and HFFR-sheathed house wiring cable with circular, stranded copper conductors. The cable is designed according to SS 424 02 19-5. The conductors have resistance according to IEC 60228 class 2. There are more number of wires in the conductor than the requirements in IEC 60228 class 2, for an easier handling. The cores are identified by colours according to HD 308. The sheath is marked: type/manufacturer/year+month/metre marking. MQQ meets the requirements for flammability class Dca-s2,d2,a2 according to CPR and have protection against exposure of UV-light according to HD 626 S1 part 2.5.1. The conductor insulation shall be protected against UV light that can occur for example in light fixtures and light signs. 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.



Conductor flexibility  
Stranded class 2



Halogen free  
Yes



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



Minimum  
installation  
temperature  
-10 °C



Maximum operating  
temperature  
70 °C



Smoke density  
IEC 61034



Gases corrosivity  
IEC 60754-2



Bending factor  
installed  
6 (xD)

### CHARACTERISTICS

#### Construction characteristics

Conductor material	Copper
Conductor shape	Circular
Conductor flexibility	Stranded class 2
Insulation	HFFR
Outer sheath	HFFR (polyolefin)
Colour	White
Halogen free	Yes
With Green/Yellow core	Yes
With smaller neutral conductor	No

#### Dimensional characteristics

Number of cores	5
Conductor cross-section	4 mm <sup>2</sup>
Conductor diameter	2,55 mm
Nominal outer diameter	13,2 mm
Approximate weight	36,0 kg/100m
Average insulation thickness	0,7 mm
Average sheath thickness	1,4 mm
Neutral conductor section (when smaller)	- mm <sup>2</sup>

#### Electrical characteristics

Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	450/750 V
Max. DC resistance of the conductor at 20°C	4,61 Ohm/km

#### 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
Smoke density	IEC 61034
Gases corrosivity	IEC 60754-2
Bending factor when installed	6 (xD)
Installation type	Indoor/Outdoor
U.V resistance	Yes

### SELLING AND DELIVERY INFORMATION

MQQ will be delivered in lengths of 500 m. The drum is marked with manufacturer, type of cable and length.