



Nexans Ref.: 15066798-201-05

### FIRE PERFORMANCE CLASS



Dca-s2,d2,a2

Lifemark™

The cable may be used for fixed installation indoors and outdoors in air, ground and water.

### STANDARDS

**Product** HD 603 S1/50

**National** SS 424 14 18

### DESCRIPTION

MXQ Easy™ 1 kV is a PEX-insulated and HFFR-sheathed house wiring cable with circular, stranded copper conductors. The cable is designed according to SS 424 14 18 in applicable parts. 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. MXQ Easy™ 1 kV meets the requirements for flammability class Dcas2d2a2 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.

### 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.

### Quality and environmental management system

Certified according to ISO 9001, ISO/TS 16949 and ISO 14001.



Conductor flexibility  
Class 2



Halogen free  
Yes



Rated Voltage U<sub>0</sub>/U  
(U<sub>m</sub>)  
0,6/1 kV



Cable flexibility  
Very flexible



Minimum installation temperature  
-15 °C



Maximum operating temperature  
90 °C



Bending factor when laying  
8 (xD)



U.V resistance  
Yes

### CHARACTERISTICS

#### Construction characteristics

Conductor material	Copper
Conductor shape	Round, stranded
With Green/Yellow core	Yes
Insulation	XLPE (Cross-linked Polyethylene)
Outer sheath	HFFR (polyolefin)
Colour	Black
Conductor flexibility	Class 2
Halogen free	Yes

#### Dimensional characteristics

Nominal outer diameter	22.0 mm
Number of cores	5
Conductor cross-section	16 mm <sup>2</sup>
Conductor diameter	4.8 mm
Approximate weight	96.2 kg/100m
Average insulation thickness	0.7 mm
Average sheath thickness	1.8 mm
Neutral conductor section (when smaller)	- mm <sup>2</sup>

#### Electrical characteristics

Max. DC resistance of the conductor at 20°C	1.15 Ohm/km
Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	0,6/1 kV

#### Mechanical characteristics

Cable flexibility	Very flexible
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#### Usage characteristics

Minimum installation temperature	-15 °C
Maximum operating temperature	90 °C
Short-circuit max. conductor temperature	250 °C
Length	500 m
Bending factor when laying	8 (xD)
Packaging	K10
U.V resistance	Yes
Minimum operating temperature	-40 °C
Smoke density	IEC 61034

### SELLING AND DELIVERY INFORMATION

MXQ Easy™ 1 kV will be delivered in lengths from 30 to 500 m. The packaging is marked with manufacturer, type of cable and length.