



Nexans Ref.: 15065998-201-05

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 U₀/U
(U_m)
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 | 13.4 mm |
| Number of cores | 3 |
| Conductor cross-section | 6 mm ² |
| Conductor diameter | 3.0 mm |
| Approximate weight | 29.0 kg/100m |
| Average insulation thickness | 0.7 mm |
| Average sheath thickness | 1.8 mm |
| Neutral conductor section (when smaller) | - mm ² |

Electrical characteristics

| | |
|---|-------------|
| Max. DC resistance of the conductor at 20°C | 3.08 Ohm/km |
| Rated Voltage U ₀ /U (U _m) | 0,6/1 kV |

Mechanical characteristics

| | |
|-------------------|---------------|
| Cable flexibility | Very flexible |
|-------------------|---------------|

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 | K7 |
| 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.