



Nexans Ref.: 34053399-217-05
Country Ref.: 7330000127494
EAN 13: 7330000127494

FIRE PERFORMANCE CLASS



Eca

The cable may be used for permanent installation on ladders, directly in walls, concrete, in conduits or ducts. For use indoors and outdoors in ground or air. The cable has protection against exposure of UV-light.

DESCRIPTION

The cable is a halogen free, XLPE-insulated and HFFR-sheathed house wiring cable with circular, solid copper conductors. The conductors have resistance and number of wires according to EN 60228 class 1. The cores are identified by colours according to HD 308. The sheath is marked: EXQ Easy™ size/ NEXANS GS /year+month/metre marking. The cable meets the requirements for fire classification Eca according to CPR and has 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. If the conductor temperature is utilized to 90 degrees, there is a risk of fire and damage to surrounding material.

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
Solid



Rated Voltage U₀/U_i
(Um)
300/500 V



Minimum installation temperature
-10 °C



Maximum operating temperature
90 °C



Bending factor when laying
5 (xD)



Ambient static op. temp
-40 ... 70 °C



Bending factor installed
3 (xD)



U.V. resistance
Yes

CHARACTERISTICS

Construction characteristics

Conductor material	Copper
Conductor shape	Circular
With Green/Yellow core	Yes
Conductor flexibility	Solid
Insulation	XLPE (Cross-linked Polyethylene)
Outer sheath	HFFR (polyolefin)
Colour	Grey

Dimensional characteristics

Number of cores	7
Conductor cross-section	1.5 mm²
Conductor diameter	1.4 mm
Nominal outer diameter	10.2 mm
Approximate weight	17.6 kg/100m
Average insulation thickness	0.5 mm
Average sheath thickness	1.2 mm

Electrical characteristics

Rated Voltage U ₀ /U (U _m)	300/500 V
Max. DC resistance of the conductor at 20°C	12.1 Ohm/km

Usage characteristics

Minimum installation temperature	-10 °C
Packaging	PW6
Maximum operating temperature	90 °C
Short-circuit max. conductor temperature	250 °C
Length	500 m
Bending factor when laying	5 (xD)
Ambient static operating temperature, range	-40 ... 70 °C
Bending factor when installed	3 (xD)
Installation type	Indoor/Outdoor
U.V resistance	Yes

Fire safety characteristics

Halogen free	Yes
Smoke density	IEC 61034
Gases corrosivity	IEC 60754-2

SELLING AND DELIVERY INFORMATION

The cable will be delivered in lengths of 50 to 500 m. The drum is marked with manufacturer, type of cable and length. The drum PW6, is a plywood drum that fits Nexans Cable Walker.