



Nexans Ref.: 16281198-898-05

Country Ref.: 0110315

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FIRE PERFORMANCE CLASS



Dca-s2,d2,a2

Lifemark™

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

STANDARDS

Product HD 627.4 S1/C1

National SS 424 03 21

DESCRIPTION

EQLR Easy is a halogen free HFFR-insulated, aluminium screened, 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 numbers according to HD 308. The sheath is marked type/manufacturer/year+month/metre marking. EQLR Easy meets the requirements for fire classification according to CPR class Dcas2,d2,a2 and emits no corrosive gases during fire and has low smoke production.

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.

Standards

EQLR Easy is manufactured and tested according to HD 627.4-C1 in applicable parts.

Certification

Certified by Intertek.

Quality and environmental management system

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



Halogen free
Yes



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



Minimum
installation
temperature
-10 °C



Maximum operating
temperature
70 °C



Minimum operating
temperature
-40 °C



Bending factor
when laying
12 (xD)



Operation bending
rad.
170 mm



U.V resistance
Yes

CHARACTERISTICS

Construction characteristics

Conductor material	Copper
Conductor shape	Circular
Insulation	Halogen free polyolefin
Insulation colour	Black
Core identification	Numbers
Screen	Aluminium tape with tinned copper drain wire
Outer sheath	HFFR (polyolefin)
Colour	Grey
Halogen free	Yes

Dimensional characteristics

Number of cores	14
Number of pairs	-
Average insulation thickness	0.7 mm
Conductor cross-section	1.5 mm ²
Average sheath thickness	1.5 mm
Nominal outer diameter	16.0 mm
Approximate weight	43.0 kg/100m

Electrical characteristics

Max. DC resistance of the conductor at 20°C	12.1 Ohm/km
Rated Voltage U ₀ /U (Um)	450/750 V

Usage characteristics

Minimum installation temperature	-10 °C
Recommended minimum installation temperature	0 °C
Maximum operating temperature	70 °C
Minimum operating temperature	-40 °C
Length	500 m
Packaging	K8
Bending factor when laying	12 (xD)
Laying operation bending radius	170 mm
Short-circuit max. conductor temperature	150 °C
U.V resistance	Yes
Water proof	Good

SELLING AND DELIVERY INFORMATION

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