



Nexans Ref.: 36081498

Country Ref.: 0406677

FIRE PERFORMANCE CLASS



Dca-s2,d2,a2

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

Test IEC 60332-1

DESCRIPTION

MCMO-HF is a halogenfree insulated, copper wire 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. MCMO-HF meets the requirements for class Dca-s2,d2,a2 according to CPR. The cable is certified by SETI.

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

MCMO-HF is manufactured and tested according to SFS 3713 (HD 627.4 D-2).

Certification

Certified by SETI.

Quality and environmental management system

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



Lead free
Yes



Conductor flexibility
Solid



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



Minimum
installation
temperature
-10 °C



Maximum operating
temperature
70 °C



Ambient static op.
temp
-40 ... 70 °C



Operation bending
rad.
185 mm



U.V resistance
Yes

CHARACTERISTICS

Construction characteristics

Conductor material	Copper
Conductor shape	Round normal
Insulation	HFFR
Outer sheath	HFFR (Halogen Free Flame Retardant)
Colour	Grey
Lead free	Yes
Conductor flexibility	Solid

Dimensional characteristics

Number of cores	27
Number of pairs	1
Conductor cross-section	1.5 mm ²
Nominal outer diameter	23.0 mm
Average insulation thickness	0.7 mm
Approximate weight	77.0 kg/100m
Average sheath thickness	1.7 mm

Electrical characteristics

Max. DC resistance of the conductor at 20°C	12.1 Ohm/km
Resistance of the screen	0.0 Ohm/km
Rated Voltage U ₀ /U (Um)	450/750 V

Usage characteristics

Minimum installation temperature	-10 °C
Maximum operating temperature	70 °C
Short-circuit max. conductor temperature	150 °C
Ambient static operating temperature, range	-40 ... 70 °C
Length	500 m
Laying operation bending radius	185 mm
Packaging	K10
U.V resistance	Yes
Water proof	Good

SELLING AND DELIVERY INFORMATION

MCMO-HF will be delivered in lengths of 500 m. The drum is marked with manufacturer, type of cable and length. The ends of the cable are sealed.