MCMK-HF C-PRO 2X1.5/1.5

Low smoke halogen free screen protected 1 kV power cable



APPLICATION

For fixed installation indoors, outdoors and underground; as well as in building structures e.g. directly in concrete (but not in sliding joints). Especially for circumstances where it is required to have installation cables with a low emission of smoke and corrosive gases in case of fire.

CERTIFICATIONS AND DESIGN STANDARDS

EN 60228	Conductor standard
IEC 60502-1	1 kV & 3 kV power cables with extruded insulation.
HD604-5I	1 kV & 3,3 kV power cables with special fire performance
EN 50575:2014/A1:2016	Cables for general applications in construction works subject to reaction to fire requirements
HD 308 S2	Identification of cores in cables and flexible cords
EN 60332-1-2	Vertical flame propagation for a single insulated wire or cable
EN 60332-3	Tests on electric and optical fibre cables under fire conditions. Part 3: Test for vertical flame spread of vertically-mounted bunched wires or cables.
IEC 60754	Corrosive gases
IEC 61034	Smoke density

Conductor material	Copper
Conductor surface	Bare
Core insulation material	XLPE
Core identification (acc. HD 308 S2)	Yes
Material inner sheath	Halogenfree polymer
Material outer sheath	Halogenfree polymer
Max. conductor temperature [°C]	90
Permitted cable outer temperature after assembling without vibration (min) [°C]	-40
UV resistant	Yes
Permitted cable outer temperature during assembling/handling (min) [°C]	-15
Bending radius (rule)	12x OD
Reaction-to-fire class (acc. EN 13501-6)	Cca
Smoke development class (acc. EN 13501-6)	s1
Euro class flaming droplets/particles (acc. EN 13501-6)	d1
Euro class acidity (acc. EN 13501-6)	a1
Flame retardant	In accordance with EN 13501-6

We reserve the right to change as a result of product development and/or changes in product standard.

PRODUCT PROPERTIES

Conductor category	Class 1 = solid
Shape of conductor	Round
Nominal cross section conductor [mm²]	1.5
Number of cores	3
With protective conductor	Yes
Colour outer sheath	Black
Nominal outer diameter [mm]	12
Current carrying capacity [A]	
Conductor resistance at 20° C [Ohm/km]	12.1
Current carrying capacity in air [A]	24
Cable weight [kg/km]	190
Min. bending radius during installation [mm]	150
DOP number	1001570

Current load, Installation method A2 (e.g. in conduit inside wall), air 25°C

Item name	EAN-code (GTIN)	Packaging type	Standard packaging quantity
MCMK-HF C-PRO 2X1,5/1,5 K7/1000	6410006020300	Drum	1,000
MCMK-HF C-PRO 2X1,5/1,5 R100	6410006020317	Coil	100

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