

MCCMK-HF C-PRO 3X10/10 RM

Low smoke halogen free screen protected 1 kV power cable



APPLICATION

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

Discover E Path: baltics.prysmian.com/en/e-path

CERTIFICATIONS AND DESIGN STANDARDS



EN 60228

IEC 60502-1

HD 604-51

EN 50575:2014/A1:2016

HD 308 S2

EN 60332-1-2

EN 60332-3

IEC 60754

IEC 61034

Conductor standard

1 kV & 3 kV power cables with extruded insulation.

1 kV & 3,3 kV power cables with special fire performance

Cables for general applications in construction works subject to reaction to fire requirements

Identification of cores in cables and flexible cords

Vertical flame propagation for a single insulated wire or cable

Tests on electric and optical fibre cables under fire conditions.

Part 3: Test for vertical flame spread of vertically-mounted bunched wires or cables.

Corrosive gases

Smoke density

Conductor material

Conductor surface

Core insulation material

Core identification (acc. HD 308 S2)

Material outer sheath

Copper

Bare

XLPE

Yes

Halogenfree polymer

Max. conductor temperature [°C]

90

Max. conductor temperature at short circuit [°C]

250

Permitted cable outer temperature after assembling without vibration (min) [°C]

-40

Resistant to UV

Yes

Permitted cable outer temperature during assembling/handling (min) [°C]

-15

Bending radius (rule)

12x OD

Flame retardant

In accordance with EN 13501-6

Halogen free

Yes

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

UV resistant

Yes

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

PRODUCT PROPERTIES

Conductor category	Class 2 = stranded
Shape of conductor	Round
Nominal cross section conductor [mm ²]	10
Number of cores	4
With protective conductor	Yes
Colour outer sheath	Black
Nominal outer diameter [mm]	19
Conductor resistance at 20° C [Ohm/km]	1.83
Current carrying capacity in air [A]	78
Current carrying capacity in ground [A]	77
Cable weight [kg/km]	670
Min. bending radius during installation [mm]	240
DOP number	1003352

Current load in air, installation method E, temperature 25°C

Current load in ground, installation method D2 (directly in ground). Ground temperature 15°C, thermal resistivity 1,0 K·m/W

Item name	EAN-code (GTIN)	Packaging type	Standard packaging quantity
MCCMK-HF C-PRO 3X10/10 RM K11/500 EMC-LI	6430065751465	Drum	500
MCCMK-HF C-PRO 3X10/10 RM K12/1000 EMC-L	6410006019953	Drum	1,000