

AFUX-HF C-PRo 1 kV

Low smoke halogen-free 1 kV installation cable



APPLICATION

For fixed surface and flush-mounted installations, indoors and outdoors. Especially for circumstances where it is required to have installation cables with a low emission of smoke and corrosive gases in case of fire.

RATED VOLTAGE

U₀/U = 0,6/1 kV

Declaration of Performance (DoP)

Ref. No 1002551



RoHS



IEC 60502-1

SFS 5546 (where appl.)

EN 50575:2014+A1:2016

EN 13501-6, class Cca-s1,d1,a1

IEC 60332-1-2

IEC 60332-3

IEC 61034

IEC 60754

1 kV & 3 kV power cables with extruded insulation.

Construction

hEN CPR cables

CPR fire class, Cca-s1,d1,a1

Vertical flame propagation for a single insulated wire or cable

Smoke density

Corrosive gases

Conductor

Copper

Insulation

XLPE

Filling sheath

Halogenfree polymer

Outer sheath

Halogenfree polymer

Max. conductor temperature [°C]

90

Max. conductor temperature at short circuit [°C]

250

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

-15

Minimum permissible bending radius during laying

12x OD

FIRE PROPERTIES

Reaction-to-fire, CPR classification

Cca-s1,d1,a1

Flame retardant

In accordance with EN 13501-6

Halogen free

Yes

DELIVERY INFO

Snro	PRODUCT NAME	EAN-code (GTIN)	Packaging type	Standard delivery length
0403388	AFUX-HF C-Pro 1kV 3x6 S K8/500	6410004033883	Drum	500
0403389	AFUX-HF C-Pro 1kV 3x10 S K8/400	6410004033890	Drum	400
0403391	AFUX-HF C-Pro 1kV 5x6 S K6M/200	6410004033913	Drum	200
0403390	AFUX-HF C-Pro 1kV 5x6 S K8/500	6410004033906	Drum	500
0403392	AFUX-HF C-Pro 1kV 5x10 S K8/250	6410004033920	Drum	250
0403393	AFUX-HF C-Pro 1kV 5x16 S K9/250	6410004033937	Drum	250
0403394	AFUX-HF C-Pro 1kV 5x25 S K9/250	6410004033944	Drum	250

MECHANICAL AND ELECTRICAL DATA

Product name	Diameter over cable [mm]	Max. DC resistance, conductor (20°C) [ohm/km]	Current rating, ref. install. type E [A]	Weight [kg/km]	Min. permissible bending radius during laying [mm]
AFUX-HF C-Pro 1kV 3G6	13	3.08	56	350	130
AFUX-HF C-Pro 1kV 3G10	16	1.83	78	500	160
AFUX-HF C-Pro 1kV 5G6	15	3.08	56	500	150
AFUX-HF C-Pro 1kV 5G10	19	1.83	78	750	190
AFUX-HF C-Pro 1kV 5G16	22	1.15	104	1,100	220
AFUX-HF C-Pro 1kV 5G25	27	0.727	132	1,800	270

Current rating: installation method E (in free air, +25°C), conductor max. operation temp.