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XPJ-HF C-PRO

Halogen free installation cable with copper conductors

APPLICATION

Halogen-free and flame retardant cable. Smoke generation in the event of fire is small, transparent (to facilitate evacuation) and not harmful to electronic equipment. For fixed surface or flush-mounted installations, indoors and outdoors. Suitable for installation in a slot covered with plaster. Not for installation directly in ground or directly in concrete without protective ducting. Cable needs protection from direct sunlight.

CERTIFICATIONS AND DESIGN STANDARDS

EVS 720:2015 (applicable parts)	Installation cables, construction
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.
EN 50575:2014/A1:2016	Cables for general applications in construction works subject to reaction to fire requirements
EN 60228	Conductor standard
EN 50267-2-2	Corrosive gases
HD 60364-5-52	Selection and erection of electrical equipment. Wiring systems.
HD 308 S2	Identification of cores in cables and flexible cords
EN 50525-1	Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)

Conductor material	Copper
Conductor surface	Bare
Core insulation material	XLPE
Core identification (acc. HD 308 S2)	Yes
Material outer sheath	Halogenfree polymer
Max. conductor temperature [°C]	70
UV resistant	No
Permitted cable outer temperature during assembling/handling (min) [°C]	-15
Bending radius (rule)	EN 50565-1
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/IEC 60332-1-2
Halogen free (acc. IEC 60754-2)	Yes
Low smoke (acc. IEC 61034-2)	Yes

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PRODUCT INFORMATION

Basic construction	Shape of conductor	With protective conductor	Nominal outer diameter [mm]	Cable weight [kg/km]	Min. bending radius during installation [mm]	DOP number
2x1,5	Round	No	7.7	90	40	1011132
2x2,5	Round	No	8.5	125	45	1011132
3G1,5	Round	Yes	7.9	105	40	1011132
3x1,5	Round	No	7.9	105	40	1011132
3G2,5	Round	Yes	9	140	45	1011132
3x2,5	Round	No	9	140	45	1011132
3G4	Round	Yes	11.5	235	60	1011132
3G6	Round	Yes	13	305	80	1011132
3G10	Round	Yes	16	445	90	1011132
4G1,5	Round	Yes	8.7	125	45	1011132
4G2,5	Round	Yes	9.6	170	50	1011132
4G4	Round	Yes	12.5	285	80	1011132
4G6	Round	Yes	14	375	80	1011132
4G10	Round	Yes	17	555	100	1011132
5G1,5	Round	Yes	9.3	150	50	1011132
5G2,5	Round	Yes	10.4	210	55	1011132
5G4	Round	Yes	13	340	80	1011132
5G6	Round	Yes	15	460	90	1011132
5G10	Round	Yes	19	680	110	1011132

MECHANICAL AND ELECTRICAL DATA

Basic construction	Nominal outer diameter [mm]	Current carrying capacity [A]	Conductor resistance at 20° C [Ohm/km]	Cable weight [kg/km]
2x1,5	7.7	15	12.1	90
2x2,5	8.5	20	7.41	125
3G1,5	7.9	15	12.1	105
3x1,5	7.9	15	12.1	105
3G2,5	9	20	7.41	140
3x2,5	9	20	7.41	140
3G4	11.5	27	4.61	235
3G6	13	34	3.08	305
3G10	16	46	1.83	445
4G1,5	8.7	14	12.1	125
4G2,5	9.6	19	7.41	170
4G4	12.5	24	4.61	285
4G6	14	31	3.08	375
4G10	17	41	1.83	555
5G1,5	9.3	14	12.1	150
5G2,5	10.4	19	7.41	210
5G4	13	24	4.61	340
5G6	15	31	3.08	460
5G10	19	41	1.83	680

Current load, Installation method A1 (e.g. inside insulated wall), air 25°C