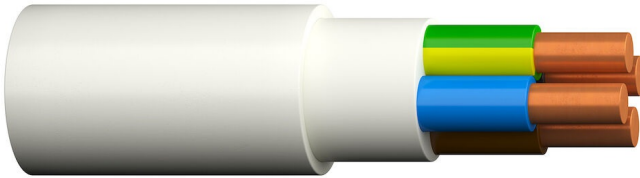


XPJ-HF D 500V


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. Cable needs protection from direct sunlight.

CERTIFICATIONS AND DESIGN STANDARDS

	
EN 60228	Conductor standard
EN 50575:2014/A1:2016	Cables for general applications in construction works subject to reaction to fire requirements
EN 50525-1	Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)
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
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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
Permitted cable outer temperature during assembling/handling (min) [°C]	-15
Bending radius (rule)	EN 50565-1
Reaction-to-fire class (acc. EN 13501-6)	Dca
Smoke development class (acc. EN 13501-6)	s2
Euro class flaming droplets/particles (acc. EN 13501-6)	d2
Euro class acidity (acc. EN 13501-6)	a2
Flame retardant	In accordance with EN/IEC 60332-1-2
Halogen free (acc. IEC 60754-2)	Yes
Low smoke (acc. IEC 61034-2)	Yes

PRODUCT INFORMATION

Basic construction	Conductor category	With protective conductor	Nominal outer diameter [mm]	Cable weight [kg/km]	Min. bending radius during installation [mm]	DOP number
2x1,5	Class 1 = solid	No	7.7	90	40	1003300
3G1,5	Class 1 = solid	Yes	7.9	105	40	1003300
3x1,5	Class 1 = solid	No	7.9	105	40	1003300
3G2,5	Class 1 = solid	Yes	9	140	45	1003300
4G1,5	Class 1 = solid	Yes	8.7	125	45	1003300
4G2,5	Class 1 = solid	Yes	9.6	170	50	1003300
5G1,5	Class 1 = solid	Yes	9.3	150	50	1003300
5G2,5	Class 1 = solid	Yes	10.4	210	55	1003300

MECHANICAL AND ELECTRICAL DATA

Basic construction	Nominal outer diameter [mm]	Min. bending radius during installation [mm]	Conductor resistance at 20° C [Ohm/km]	Current carrying capacity [A]
2x1,5	7.7	40	12.1	15
3G1,5	7.9	40	12.1	15
3x1,5	7.9	40	12.1	15
3G2,5	9	45	7.41	20
4G1,5	8.7	45	12.1	14
4G2,5	9.6	50	7.41	19
5G1,5	9.3	50	12.1	14
5G2,5	10.4	55	7.41	19

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