XPUJ-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 is UV-resistant.

CERTIFICATIONS AND DESIGN STANDARDS

Dca
CPR

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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

GEBRUIKSEIGENSCHAPPEN

Max. conductor temperature [°C]	70
Resistant to UV	Yes
Permitted cable outer temperature during assembling/handling (min) [°C]	-15
Bending radius (rule)	EN 50565-1

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Flame retardant	In accordance with EN/IEC 60332-1-2
Halogen free	acc. IEC/EN 60754-1/2
Halogen free (acc. IEC 60754-2)	Yes
Low smoke (acc. IEC 61034-2)	Yes
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
UV resistant	Yes

We reserve the right for technical modifications due to further product development and/or changes in product standard.

PRODUCT INFORMATION

Basic construction	Conductor category	With protective conductor	Colour outer sheath	Cable weight [kg/km]	DOP number
2x1,5	Class 1 = solid	No	Black	90	1010170
2x2,5	Class 1 = solid	No	Black	121	1010170
3G1,5	Class 1 = solid	Yes	Black	102	1010170
3G2,5	Class 1 = solid	Yes	Black	141	1010170
4G1,5	Class 1 = solid	Yes	Black	124	1010170
4G2,5	Class 1 = solid	Yes	Black	169	1010170
5G1,5	Class 1 = solid	Yes	Black	148	1010170
5G2,5	Class 1 = solid	Yes	Black	209	1010170

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

MECHANICAL AND ELECTRICAL DATA

Basic construction	Nominal outer diameter [mm]	Cable weight [kg/km]	Conductor resistance at 20° C [Ohm/km]	Current carrying capacity [A]
2x1,5	7.5	90	12.1	15
2x2,5	8.3	121	7.41	20
3G1,5	7.8	102	12.1	15
3G2,5	8.7	141	7.41	20
4G1,5	8.5	124	12.1	14
4G2,5	9.4	169	7.41	19
5G1,5	9.3	148	12.1	14
5G2,5	10.4	209	7.41	19

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

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