XPJ-HF D 3G2,5

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

Dca
CPR

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

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
Resistant to UV	No
Permitted cable outer temperature during assembling/handling (min) [°C]	-15
Bending radius (rule)	EN 50565-1

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

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

PRODUCT PROPERTIES

Conductor category	Class 1 = solid
Shape of conductor	Round
Nominal cross section conductor [mm²]	2.5
Number of cores	3
With protective conductor	Yes
Colour outer sheath	White
Nominal outer diameter [mm]	9
Current carrying capacity [A]	20
Conductor resistance at 20° C [Ohm/km]	7.41
Cable weight [kg/km]	140
Min. bending radius during installation [mm]	45
DOP number	1003300

Current rating: installation method A (e.g. in conduit inside wall)

Item name	EAN-code (GTIN)	Packaging type	Standard packaging quantity
XPJ-HF D 500V 3G2,5 P250	4741532030368	Drum	250
XPJ-HF D 500V 3G2,5 R100/3600	4741532030344	Coil	100
XPJ-HF D 500V 3G2,5 T500	4741532030412	Drum	500
XPJ-HF D 500V 3G2,5 T1000	4741532030351	Drum	1,000

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