

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



EN 60228

EN 50575:2014/A1:2016

EN 50525-1

HD 308 S2

EN 60332-1-2

Conductor standard

Cables for general applications in construction works subject to reaction to fire requirements

Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)

Identification of cores in cables and flexible cords

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

Yes

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

UV resistant

Yes

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

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