XPUJ 500V

Copper core installation cable



APPLICATION

For fixed surface or flush-mounted installations, indoors and outdoors. Suitable for installation in a slot covered with a plaster. Not for installation directly in ground or directly in concrete. Cable is UV-resistant.

CERTIFICATIONS AND DESIGN STANDARDS

Eca
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	Polyvinyl chloride (PVC)

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
Reaction-to-fire class (acc. EN 13501-6)	Eca
UV resistant	Yes

We reserve the right to change as a result of 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	84	1002810
2x2,5	Class 1 = solid	No	Black	114	1002810
3G1,5	Class 1 = solid	Yes	Black	98	1002810
3x1,5	Class 1 = solid	No	Black	100	1002810
3G2,5	Class 1 = solid	Yes	Black	138	1002810
4G1,5	Class 1 = solid	Yes	Black	119	1002810
4G2,5	Class 1 = solid	Yes	Black	167	1002810
5G1,5	Class 1 = solid	Yes	Black	143	1002810
5G2,5	Class 1 = solid	Yes	Black	203	1002810

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	84	12.1	15
2x2,5	8.3	114	7.41	20
3G1,5	7.8	98	12.1	15
3x1,5	8.7	100	12.1	15
3G2,5	8.7	138	7.41	20
4G1,5	8.5	119	12.1	14
4G2,5	9.4	167	7.41	19
5G1,5	9.3	143	12.1	14
5G2,5	10.4	203	7.41	19

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

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