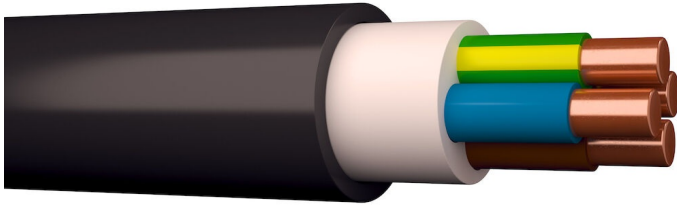


XPUJ-HF 500 V DCA

Halogen free installation cable with black outer sheath



DESCRIPTION

500V Black, halogen-free and flame retardant installation cable for indoor fixed application in walls, trays, ladders or ducts or outdoors in pipes, free air or directly in soil. Not suitable for installation in vibrated concrete without protection. With solid copper conductor, maximum 90°C conductor temperature and UV-stabilised outer sheath. CPR fire class Dca approved.

XPUJ-HF 500V is registered in the database of building materials that can be used in Swan Label construction.

CERTIFICATION, APPROVAL & STANDARD



EN 50575

EN 60228

HD 308 S2

EN 50525-1

IEC 60754-2

IEC 60332-1 & 2

IEC 61034-2

REACH

ROHS

Cables in construction works subject to reaction to fire
Conductor standard

Standard for identification of cores in cables and flexible cords

Construction standard for LV cables up 450/750 V

Fire test for emission of acidity or corrosive gasser (pH \geq 4,3,
Conductivity \leq 10 μ S)

Fire tests for vertical flame propagation for a single insulated
wire or cable - procedure for 1-kW pre-mixed flame

Smoke Density - with requirement for light transmittance

Regulation concerning the Registration, Evaluation,
Authorisation and Restriction of CHEMicals.

RoHS compliance - restriction of hazardous substances
directive

CONSTRUCTION

Conductor material	Copper
Conductor surface	Bare
Core insulation material	XLPE
Material inner sheath	Halogenfree polymer
Material outer sheath	Halogenfree polymer
Cable shape	Round

ELECTRICAL PROPERTIES

Nominal voltage U ₀ [V]	300
Nominal voltage U [V]	500
Test voltage [kV]	2

FIRE PROPERTIES

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

THERMAL PROPERTIES

Max. conductor temperature [°C]	90
Max. conductor temperature at short circuit [°C]	250
Max. outer temperature, fixed installation [°C]	-15
Permitted cable outer temperature during assembling/handling (min) [°C]	-5

MECHANICAL PROPERTIES

Bending radius (rule)	$D \leq 8 = 4xD$; $820 = 6xD$
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APPLICATION PROPERTIES

UV resistant	Yes
Outdoor installation	Yes
Underground installation	Yes
Suitable as installation cable	Yes

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This specification is not contractually valid unless specifically authorised by Prysmian.

DELIVERY INFORMATION

Basic construction	Cable weight [kg/km]	Standard packaging quantity	SAP code	EAN-code (GTIN)
2x1,5 mm ²	90	100	20233664	4741532032003
2x1,5 mm ²	90	2,000	20233665	4741532032010
2x2,5 mm ²	121	100	20233666	4741532032034
2x2,5 mm ²	121	2,000	20233667	4741532032041
3G1,5 mm ²	102	100	20232881	4741532032119
3G1,5 mm ²	102	500	20232882	4741532032102
3G1,5 mm ²	102	1,000	20232883	4741532032126
3G2,5 mm ²	141	100	20232891	4741532032140
3G2,5 mm ²	141	500	20232892	4741532032164
3G2,5 mm ²	141	1,000	20232893	4741532032157
4G1,5 mm ²	124	100	20232885	4741532032317
4G1,5 mm ²	124	500	20232886	4741532032331
4G1,5 mm ²	124	1,000	20232887	4741532032324
4G2,5 mm ²	169	500	20233668	4741532032355
4G2,5 mm ²	169	100	20232895	4741532032348
4G2,5 mm ²	169	1,000	20232896	4741532032362
5G1,5 mm ²	148	100	20232888	4741532032515
5G1,5 mm ²	148	500	20232889	4741532032508
5G2,5 mm ²	209	50	20233669	4741532032546
5G2,5 mm ²	209	100	20232897	4741532032560
5G2,5 mm ²	209	500	20232898	4741532032539
5G2,5 mm ²	209	750	20232899	4741532032553

MECHANICAL AND ELECTRICAL DATA

Basic construction	Conductor category	Shape of conductor	Nominal outer diameter [mm]	Core colours	Current carrying capacity [A]
2x1,5 mm ²	Class 1 = solid	Round	7.5		15
2x2,5 mm ²	Class 1 = solid	Round	8.3		20
3G1,5 mm ²	Class 1 = solid	Round	7.8	Yellow/Green, Blue, Brown	15
3G2,5 mm ²	Class 1 = solid	Round	8.7	Yellow/Green, Blue, Brown	20
4G1,5 mm ²	Class 1 = solid	Round	8.5	Yellow/Green, Blue, Brown, Black	14
4G2,5 mm ²	Class 1 = solid	Round	9.4	Yellow/Green, Blue, Brown, Black	19
5G1,5 mm ²	Class 1 = solid	Round	9.3	Yellow/Green, Blue, Brown, Black, Grey	14
5G2,5 mm ²	Class 1 = solid	Round	10.4	Yellow/Green, Blue, Brown, Black, Grey	19

* Nominal values

* Current-carrying capacities according to IEC60364-5-52 method E or F