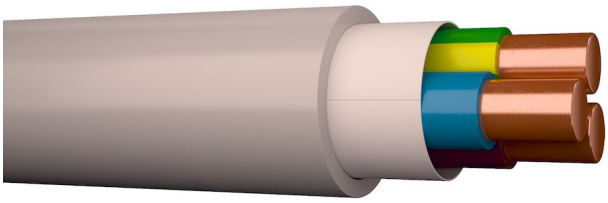
Prysmian

A Brand of Prysmian Group

SLIM LINE 300/500 V ECA

Halogenfree light installation cable



DESCRIPTION

Halogen-free, fire-retardant and UV-stabilized light installation cable for fixed installation indoors in building walls, ducts, trays, ladders or outdoors, in pipes or directly in soil. Not suitable for vibrated concrete. Max. conductor temperature 90°C. The cable is CPR fire class Eca approved.

EPD documentation is available for Slim Line cross-sections 3G1,5 and 3G2,5 as well as 5G1,5 and 5G2,5. Slim Line is also registered in the Ecolabel database over building materials that can be applied in Svanemærket construction.

CERTIFICATION, APPROVAL & STANDARD

EN 50575	Cables in construction works subject to reaction to fire
EN 60228	Conductor standard
EN 50363	Standard for insulation, sheathing and covering materials
EN 50399	Heat release and smoke production during flame propagation test
EN 50267-2-1	Halogen-free: Fire test for emission of halogens (<0,5% halogen)
EN 50267-2-2	Fire test for emission of acidty or corrosive gasser (pH ≥ 4,3, Conductivity ≤ 10µS)
REACH	Regulation concerning the Registration, Evaluation, Authorisation and Restriction of CHemicals.
ROHS	RoHS compliance - restriction of hazardous substances directive
EPD	ISO-14025 type III and EN 15804:2012 +A2:2019

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 U0 [V]	300
Nominal voltage U [V]	500
Test voltage [kV]	2.5

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)	Eca

THERMAL PROPERTIES

Max. conductor temperature [°C]	90
Max. conductor temperature at short circuit [°C]	250
Permitted cable outer temperature after assembling without vibration (min) [°C]	-15
Permitted cable outer temperature during assembling/handling (min) [°C]	-5

MECHANICAL PROPERTIES

Bending radius (rule)	D≤8 = 4xD; 820 = 6xD

APPLICATION PROPERTIES

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

DELIVERY INFORMATION

Basic construction	Cable weight [kg/km]	Standard packaging quantity	Packaging type	SAP code	EAN-code (GTIN)
1G2,5 mm²	55	100	Coil	20180537	6430010757443
1G2,5 mm²	55	500	Drum	20180536	6430010757436
1G6 mm²	95	50	Coil	20275520	6430065752950
1G6 mm²	95	500	Drum	20180559	6430010757450
3G1,5 mm²	90	100	Coil	20369294	6430065754374
3G1,5 mm²	90	500	Drum	20384097	6430065754565
3G2,5 mm²	130	100	Coil	20384271	6430065754589
3G2,5 mm²	130	500	Drum	20384272	6430065754572
4x6 mm²	400	250	Drum	20193032	6430010757429
4x6 mm²	400	500	Drum	20180547	6430010757542
4x10 mm²	600	250	Drum	20180543	6430010757559
4x10 mm²	600	500	Drum	20180544	6430010757566
4x16 mm²	870	500	Drum	20180545	6430010757573
5G1,5 mm²	130	100	Coil	20369295	6430065754602
5G1,5 mm²	130	500	Drum	20384099	6430065754596
5G2,5 mm²	190	100	Coil	20384100	6430065754626
5G2,5 mm²	190	500	Drum	20384098	6430065754619
5G6 mm²	465	250	Drum	20180555	6430010757634
5G6 mm²	465	500	Drum	20180556	6430010757641
5G10 mm²	720	500	Drum	20180550	6430010757658
5G16 mm²	1,100	500	Drum	20180551	6430010757665
7G1,5 mm²	160	100	Coil	20180558	6430010757696
7G1,5 mm²	160	500	Drum	20180557	6430010757689

MECHANICAL AND ELECTRICAL DATA

Basic construction	Conductor category	Shape of conductor	Nominal outer diameter [mm]	Core colours	Current carrying capacity [A]
1G2,5 mm²	Class 1 = solid	Round	6	Yellow/green	36
1G6 mm²	Class 2 = stranded	Round	7	Yellow/green	63
3G1,5 mm²	Class 1 = solid	Round	8	Yellow/green, blue, brown	26
3G2,5 mm²	Class 1 = solid	Round	9	Yellow/green, blue, brown	36
4x6 mm²	Class 2 = stranded	Round	15	Blue, brown, black,grey	54
4x10 mm²	Class 2 = stranded	Round	17	Blue, brown, black,grey	75
4x16 mm²	Class 2 = stranded	Round	20	Blue, brown, black,grey	100
5G1,5 mm²	Class 1 = solid	Round	9	Yellow/green, blue, brown, black, grey	23
5G2,5 mm²	Class 1 = solid	Round	10	Yellow/green, blue, brown, black, grey	32
5G6 mm²	Class 2 = stranded	Round	16	Yellow/green, blue, brown, black, grey	54
5G10 mm²	Class 2 = stranded	Round	19	Yellow/green, blue, brown, black, grey	75
5G16 mm²	Class 2 = stranded	Round	22	Yellow/green, blue, brown, black, grey	100
7G1,5 mm²	Class 1 = solid	Round	10	Yellow/green, blue, brown, black, grey, red, white	23

* Nominel values

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