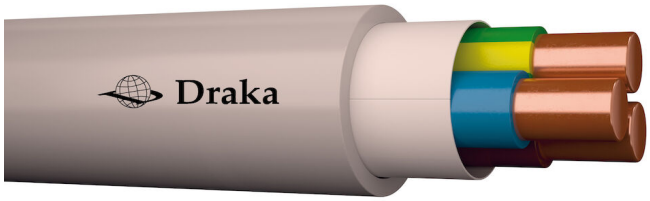
EASY STRIP 300/500 V ECA

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 Easy Strip cross-sections 3G1,5 and 3G2,5 as well as 5G1,5 and 5G2,5,
Easy Strip is registered in the database of building materials that can be used in Swan Label construction.

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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)
IEC 60754-2	Fire test for emission of acidty or corrosive gasser (pH ≥ 4,3, Conductivity ≤ 10µS)
IEC 61034-2	Smoke Density - with requirement for light transmittance
IEC 60754-1	Halogen-free: Fire test for emission of halogens (<0,5% halogen)
IEC 60332-1 & 2	Fire tests for vertical flame propagation for a single insulated wire or cable - procedure for 1-kW pre-mixed flame
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

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 during assembling/handling (min) [°C]	-5

MECHANICAL PROPERTIES

Bending radius (rule)	D≤8 = 4xD; D>8≤12 = 5xD; D>12 = 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	SAP code	EAN-code (GTIN)
1G2,5 mm²	55	100	20232625	4741532901507
1G2,5 mm²	55	500	20232626	4741532901514
1G6 mm²	91	500	20232007	4741532901521
1G10 mm²	133	50	20309779	4741532901835
1G10 mm²	133	500	20232008	4741532901538
1G16 mm²	189	500	20232009	4741532901545
3G1,5 mm²	96	100	20231995	4741532901552
3G1,5 mm²	96	4,000	20231996	4741532901569
3G1,5 mm²	96	500	20231997	4741532901576
3G2,5 mm²	130	100	20231998	4741532901583
3G2,5 mm²	130	3,000	20231999	4741532901590
3G2,5 mm²	130	500	20232000	4741532901606
4x6 mm²	430	500	20232005	4741532901644
4x10 mm²	530	250	20232011	4741532901613
4x10 mm²	530	500	20232010	4741532901620
4x16 mm²	771	500	20232012	4741532901637
5G1,5 mm²	139	100	20231049	4741532901651
5G1,5 mm²	139	3,000	20232001	4741532901668
5G1,5 mm²	139	500	20232002	4741532901675
5G2,5 mm²	192	100	20231050	4741532901705
5G2,5 mm²	192	2,500	20232003	4741532901712
5G2,5 mm²	192	500	20232004	4741532901729
5G6 mm²	413	250	20232014	4741532901736
5G6 mm²	413	500	20232013	4741532901743
5G10 mm²	644	500	20232015	4741532901682
5G16 mm²	962	500	20232006	4741532901699
7G1,5 mm²	172	2,500	20232646	4741532901767
7G1,5 mm²	172	100	20232648	4741532901750
7G1,5 mm²	172	500	20232647	4741532901774
			20372732	

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 1 = solid	Round	7	Yellow/green	63
1G10 mm²	Class 1 = solid	Round	8	Yellow/green	86
1G16 mm²	Class 1 = solid	Round	9	Yellow/green	115
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	14	Blue, brown, black, grey	42
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	9.5	Yellow/green, blue, brown, black, grey	23
5G2,5 mm²	Class 1 = solid	Round	10.5	Yellow/green, blue, brown, black, grey	32
5G6 mm²	Class 2 = stranded	Round	17	Yellow/green, blue, brown, black, grey	54
5G10 mm²	Class 2 = stranded	Round	18	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	9.5	Yellow/green, blue, brown, black, grey, red, white	18

* Nominel values

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