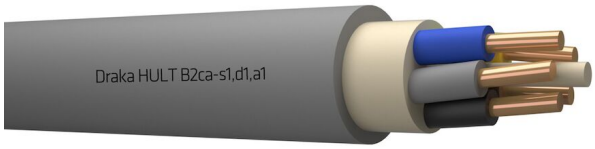
HULT 0,6/1 KV B2CA

Halogen free installation cable



DESCRIPTION

HULT B2ca is a halogen-free **power cable** with the highest level of fire retardancy under CPR. The cable is applicable for fixed indoor installation in humid spaces and can be installed in high ambient temperatures and in cable bundles. The cable is suitable for fixed indoor installation in residential and public buildings, industrial installations, OEM, and data centres. The cable can also be installed directly in soil. The **halogen-free** composition of the cable also enables high-quality, fire-safe installations.

HULT B2ca meets fire grade **B2ca-s1,d1,a1** according to EN 50575 for use in buildings with a very high fire risk. The product s registered in the database of building materials that can be used in Swan Label construction.

CERTIFICATION, APPROVAL & STANDARD

CENELEC HD 604-5C	Harmonized construction standard
NEN 3618	Construction standard for halogen-free 1 kV cables
K 42C-1-5-C	Construction standard for halogen-free 1 kV cables

CONSTRUCTION

Conductor material	Copper
Conductor surface	Bare
Core insulation material	XLPE
Core identification (acc. HD 308 S2)	Yes
Material inner sheath	Halogenfree polymer
Material outer sheath	Halogenfree polymer
Cable shape	Round

ELECTRICAL PROPERTIES

Nominal voltage U0 [V]	600
Nominal voltage U [V]	1,000
Test voltage [kV]	3.5

FIRE PROPERTIES

Flame retardant	In accordance with EN 13501-6
Halogen free	acc. IEC/EN 60754-1/2
Low smoke	acc. IEC/EN 61034-2
Reaction-to-fire class (acc. EN 13501-6)	B2ca
Smoke development class (acc. EN 13501-6)	s1
Euro class flaming droplets/particles (acc. EN 13501-6)	d1
Euro class acidity (acc. EN 13501-6)	a1

THERMAL PROPERTIES

Max. conductor temperature [°C]	90
Max. outer temperature, fixed installation [°C]	-40
Permitted cable outer temperature after assembling without vibration (max) [°C]	80
Permitted cable outer temperature during assembling/handling (min) [°C]	-20
Permitted cable outer temperature during assembling/handling (max) [°C]	80

MECHANICAL PROPERTIES

Bending radius (rule)	EN 50565-1 D≤8 = 4xD; 8< D ≤12 = 5xD

APPLICATION PROPERTIES

UV resistant	Yes
Outdoor installation	Yes
Underground installation	Yes
Suitable as installation cable	Yes
Certified for shipboard application	No
Certified as airport lighting cable	No

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DELIVERY INFORMATION

Basic construction	Cable weight [kg/km]	Standard packaging quantity	SAP code	EAN-code (GTIN)
2x1,5 mm²	146	500	20176034	8711401175151
2x2,5 mm²	165	500	20178507	8711401199652
3G1,5 mm²	164	500	20178510	8711401199751
3G2,5 mm²	205	100	20234501	8711401057747
3G2,5 mm²	205	500	20178520	8711401199591
3G2,5 mm²	205	2,000	20178521	8711401199638
3x2,5 mm²	205	1,000	20178511	8711401199843
3G4 mm²	264	500	20178512	8711401199799
4G1,5 mm²	189	500	20178513	8711401199836
4G2,5 mm²	240	500	20178522	8711401200440
5G1,5 mm²	254	100	20176038	8711401175328
5G2,5 mm²	263	100	20178515	8711401199676
5G2,5 mm²	263	500	20178516	8711401199683
5G6 mm²	487	500	20176059	8711401175359
5G10 mm²	729	500	20177967	8711401199171
5G16 mm²	1,065	500	20177966	8711401199164
7G1,5 mm²	299	100	20176040	8711401175465
7G2,5 mm²	384	100	20176049	8711401175489
12G1,5 mm²	487	1,000	20177979	8711401199348
12G2,5 mm²	628	1,000	20177980	8711401199355
19G1,5 mm²	651	1,000	20177984	8711401199393
19G2,5 mm²	650	1,000	20177985	8711401199430

MECHANICAL AND ELECTRICAL DATA

Basic construction	Conductor category	Shape of conductor	Nominal outer diameter [mm]	Core colours	Current carrying capacity [A]
2x1,5 mm²	Class 1 = solid	Round	10.01	Blue, Brown	26
2x2,5 mm²	Class 1 = solid	Round	10.76	Blue, Brown	36
3G1,5 mm²	Class 1 = solid	Round	10.44	Yellow/Green, Blue, Brown	26
3G2,5 mm²	Class 1 = solid	Round	11.25	Yellow/Green, Blue, Brown	36
3x2,5 mm²	Class 1 = solid	Round	11.25	Brown, Black, Grey	32
3G4 mm²	Class 1 = solid	Round	12.22	Yellow/Green, Blue, Brown	49
4G1,5 mm²	Class 1 = solid	Round	11.15	Yellow/Green, Blue, Brown, Black	23
4G2,5 mm²	Class 1 = solid	Round	12.05	Yellow/Green, Blue, Brown, Black	32
5G1,5 mm²	Class 1 = solid	Round	14.16	Yellow/Green, Blue, Brown, Black, Grey	23
5G2,5 mm²	Class 1 = solid	Round	12.77	Yellow/Green, Blue, Brown, Black, Grey	32
5G6 mm²	Class 1 = solid	Round	15.5	Yellow/Green, Blue, Brown, Black, Grey	54
5G10 mm²	Class 2 = stranded	Round	18.5	Yellow/Green, Blue, Brown, Black, Grey	75
5G16 mm²	Class 2 = stranded	Round	21.3	Yellow/Green, Blue, Brown, Black, Grey	100
7G1,5 mm²	Class 1 = solid	Round	13.77	Yellow/Green, Numbering	17
7G2,5 mm²	Class 1 = solid	Round	14.9	Yellow/Green, Numbering	23
12G1,5 mm²	Class 1 = solid	Round	18	Yellow/Green, Numbering	13
12G2,5 mm²	Class 1 = solid	Round	19.6	Yellow/Green, Numbering	18
19G1,5 mm²	Class 1 = solid	Round	20.4	Yellow/Green, Numbering	11
19G2,5 mm²	Class 1 = solid	Round	19.4	Yellow/Green, Numbering	15

* Nominel values

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

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