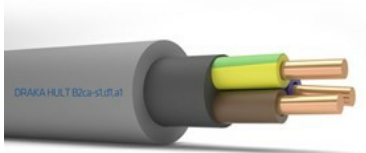


HULT B2ca

Halogen free installation cable



NEN: YMz₁Kmbzh 0,6/1kV

Application

- Halogen free power and control cable for general use in low voltage installations up to 1 kV, suitable for all applications indicated in NEN 1010, especially when stringent demands on fire safety apply
- Suitable for humid conditions
- Can be applied in unfavourable conditions, like an increased ambient temperature, and in cable bundles
- The multicore versions are mainly used for auxiliary current cables and also for measurement and control purposes

Properties regarding fire performance:

CPR Euroclass B2ca (En 50575). For downloading the Declaration of Performance (DoP) go to www.draka.nl/dop (the DoP number is printed on the product label).

Remarks:

- Use HULTO B2ca or HULTA B2ca in case of direct burial
- For cross-section of 35 mm² and above see HULTFLEX B2ca

Construction

Conductor: plain annealed copper, round $\leq 6 \text{ mm}^2$: solid (class 1) $\geq 10 \text{ mm}^2$: stranded (class 2)
 Insulation: cross-linked polyethylene (XLPE)
 Assembly 2 up to 8 cores: cores cabled together, filled to make a round shape ≥ 10 cores: cores cabled together, wrapped with polyester foil
 Outer sheath: halogen free flame retardant thermoplastic (LSOH)

Electrical data

Voltage rating: 0,6/1 kV
 Test voltage: 3,5 kV

Core colours

- 1 core: black
- 2 cores: brown, blue
- 3 cores: brown, black, grey (x-version)
 brown, blue, green-and-yellow (G-version)
 brown, black, blue (variant-version)
- 4 cores: brown, black, grey, blue (x-version)
 brown, black, grey, green-and-yellow (G-version)
 brown, black, blue, green-and-yellow (variant-version)
- 5 cores: brown, black, grey, black, blue (x-version)
 brown, black, grey, blue, green-and-yellow (G-version)
- Multi cores: one core green-and-yellow, other cores black

Construction data

Conductor material	Copper, bare
Shape of conductor	Round
Core insulation material	Crosslinked polyethylene (XLPE)
Protective conductor	Yes
Material outer sheath	Copolymer, thermoplastic
Colour outer sheath	Grey

Properties

Max. conductor temperature	90 °C
Permitted cable outer temperature during assembling/handling	-20 / 80 °C
Permitted cable outer temperature after assembling without v	-40 / 80 °C
Oil resistant	Good
Reaction-to-fire class according to EN 13501-6	B2ca
Smoke development class according to EN 13501-6	s1
Euro class flaming droplets/particles according to EN 13501-	d1
Euro class acidity according to EN 13501-6 a1	

Electrical

Nominal voltage U ₀	0.6 kV
Nominal voltage U	1 kV

HULT B2ca

Halogen free installation cable

numbered (G-version)

Standards/References

NEN 3618
K 42C-1-5
HD 604-5-C
EN 50575
NEN 8012

Additional information

Minimum installation temperature: -20 °C
Maximum conductor temperature: +90 °C (temporary
overload permissible until + 130 °C)
Operation temperature: min. -40 °C, max. +80 °C
Outer sheath: grey
Approval: KEMA-KEUR
Packaging: boxes, coils, drums

The information in this document is subject to change without notice. Although the information in this document has been compiled, and is maintained, with great care, Draka Kabel B.V. cannot guarantee that the available information is complete and/or correct. Draka Kabel B.V. cannot accept liability for any consequences, such as damage or loss of profits in any way as a result of using, relying on or actions undertaken as a result of information in this document.

HULT B2ca

Halogen free installation cable

Product Range

Product nr.	No. of cores and conductor cross-section ¹ (n x mm ²)	Nominal diameter over insulation (mm)	Nominal overall diameter (mm)	Minimum bending radius (mm)	Maximum tensile strength (N)	Approx. weight (kg/km)	DoP number
833658	1x10	5,3	11,7	60	410	240	1004629
833659	1x16	6,4	12,8	80	490	315	1004630
833660	1x25	8,1	14,5	90	630	435	1004631
833681	1x630	37,3	41,7	210	5215	6260	
832941	2x1,5	2,7	11,8	60	415	205	1004683
832942	2x2,5	3,1	12,6	80	475	240	1004684
832943	2x4	3,5	13,5	85	545	290	1004685
832944	2x6	4	14,4	90	620	355	1004686
832945	2x10	5,3	17,0	105	865	510	1004875
832946	2x16	6,4	19,1	115	1090	695	1004876
833661	2x25	8,1	22,5	160	1515	1000	1004930
832947	3x1,5	2,7	12,2	75	445	225	1004687
832965	3x2,5	3,1	13,1	80	510	270	1004699
832971	3x2,5 var	3,1	13,1	80	510	270	1004702
832948	3x2,5 var	3,1	13,1	80	510	270	1004688
832949	3x4	3,5	14,0	85	585	330	1004689
832966	3x6	4	15,1	95	680	410	1004700
832967	3x10	5,3	17,8	110	950	605	1004901
832951	3x10	5,3	17,8	110	950	605	1004877
832952	3x16	6,4	20,1	145	1210	840	1004878
832968	3x16	6,4	20,1	145	1210	840	1004902
833680	3x25	8,1	23,8	170	1695	1230	1004933
832953	4x1,5	2,7	13,4	85	535	265	1004691
832970	4x1,5 var	2,7	13,4	85	535	265	1004701
832954	4x2,5	3,1	14,3	90	610	320	1004692
832972	4x2,5 var	3,1	14,3	90	610	320	1004703
832955	4x4	3,5	14,9	90	665	390	1004693
832973	4x4 var	3,5	14,9	90	665	390	1004704
832956	4x6	4	16,1	100	775	490	1004694
832957	4x10	5,3	19,2	120	1105	730	1004879
832958	4x16	6,4	21,8	155	1425	1025	1004900
833662	4x16	6,4	21,8	155	1425	1025	1004931
832959	5x1,5	2,7	14,2	90	600	300	1004695
832960	5x2,5	3,1	15,2	95	690	370	1004696
832961	5x4	3,5	16,4	100	805	465	1004697
832962	5x6	4	17,7	110	935	590	1004698
833656	5x10	5,3	20,8	150	1295	870	1004928
833655	5x16	6,4	23,6	170	1670	1230	1004927
833657	5x25	8,1	28,2	200	2385	1835	1004929
832976	6x1,5	2,7	14,9	90	665	335	1005317
832974	6x2,5	3,1	16,0	100	765	415	1005315
832977	7x1,5	2,7	15,0	90	675	350	1005318
832975	7x2,5	3,1	16,1	100	775	435	1005316
833664	8x1,5	2,7	16,0	100	765	385	1006103
833665	8x2,5	3,1	17,2	105	885	485	1006104
833666	10x1,5	2,7	17,7	110	935	455	1006105
833667	10x2,5	3,1	19,2	120	1105	575	1006106

The information in this document is subject to change without notice. Although the information in this document has been compiled, and is maintained, with great care, Draka Kabel B.V. cannot guarantee that the available information is complete and/or correct. Draka Kabel B.V. cannot accept liability for any consequences, such as damage or loss of profits in any way as a result of using, relying on or actions undertaken as a result of information in this document.

A brand of the

Prysmian
Group

HULT B2ca

Halogen free installation cable

Product nr.	No. of cores and conductor cross-section ¹ (n x mm ²)	Nominal diameter over insulation (mm)	Nominal overall diameter (mm)	Minimum bending radius (mm)	Maximum tensile strength (N)	Approx. weight (kg/km)	DoP number
833668	12x1,5	2,7	18,2	110	990	495	1006107
833669	12x2,5	3,1	19,7	120	1160	635	1005330
833654	14x1,5	2,7	18,9	115	1070	545	1005329
833670	14x2,5	3,1	20,5	145	1260	705	1005331
833671	16x1,5	2,7	19,7	120	1160	595	1006108
833672	16x2,5	3,1	21,4	150	1370	775	1006109
833673	19x1,5	2,7	20,5	145	1260	660	1006110
833674	19x2,5	3,1	19,4	120	1125	650	
833675	24x1,5	2,7	23,1	165	1600	800	1006111
833676	24x2,5	3,1	22,4	160	1505	810	
833653	30x1,5	2,7	24,3	175	1770	925	1006102
833679	30x2,5	3,1	26,7	190	2135	1245	1006112
833677	37x1,5	2,7	23,0	165	1585	820	
833678	37x2,5	3,1	25,6	180	1965	1180	

1) The letter G in this column indicates presence of a green-and-yellow core. The letter x indicates absence of a green-and-yellow core. Cable types with variant colours are indicated with "var".

HULT B2ca

Halogen free installation cable

Electrical features

Product nr.	No. of cores and conductor cross-section ¹ (n x mm ²)	Conductor resistance at 20 °C, DC (ohm/km)	Conductor resistance at 90 °C, 50 Hz (ohm/km)	Maximum current rating ² (A)	Working self-inductance ³ (mH/km)	Working capacitance ⁴ (nF/km)
833658	1x10	1,83	2,33	74	-	-
833659	1x16	1,15	1,47	101	-	-
833660	1x25	0,727	0,927	135	-	-
833681	1x630	0,0283	0,0412	1088	-	approx. -
832941	2x1,5	12,1	15,4	26	0,33	approx. 55
832942	2x2,5	7,41	9,45	36	0,31	approx. 63
832943	2x4	4,61	5,88	49	0,29	approx. 68
832944	2x6	3,08	3,93	63	0,27	approx. 72
832945	2x10	1,83	2,33	86	0,26	approx. 82
832946	2x16	1,15	1,47	115	0,25	approx. 92
833661	2x25	0,727	0,927	149	0,24	approx. 95
832947	3x1,5	12,1	15,4	26	0,33	approx. 56
832965	3x2,5	7,41	9,45	36	0,31	approx. 63
832971	3x2,5 var	7,41	9,45	32	0,31	approx. 126
832948	3x2,5 var	7,41	9,45	32	0,31	approx. 126
832949	3x4	4,61	5,88	49	0,29	approx. 68
832966	3x6	3,08	3,93	63	0,27	approx. 72
832967	3x10	1,83	2,33	86	0,26	approx. 82
832951	3x10	1,83	2,33	75	0,26	approx. 165
832952	3x16	1,15	1,47	100	0,25	approx. 183
832968	3x16	1,15	1,47	115	0,25	approx. 91
833680	3x25	0,727	0,927	127	0,24	approx. 195
832953	4x1,5	12,1	15,4	23	0,37	approx. 123
832970	4x1,5 var	12,1	15,4	23	0,37	approx. 123
832954	4x2,5	7,41	9,45	32	0,35	approx. 142
832972	4x2,5 var	7,41	9,45	32	0,35	approx. 142
832955	4x4	4,61	5,88	42	0,33	approx. 150
832973	4x4 var	4,61	5,88	42	0,33	approx. 150
832956	4x6	3,08	3,93	54	0,32	approx. 159
832957	4x10	1,83	2,33	75	0,29	approx. 185
832958	4x16	1,15	1,47	100	0,28	approx. 212
833662	4x16	1,15	1,47	100	0,28	212
832959	5x1,5	12,1	15,4	23	0,41	approx. 128
832960	5x2,5	7,41	9,45	32	0,38	approx. 147
832961	5x4	4,61	5,88	42	0,36	approx. 155
832962	5x6	3,08	3,93	54	0,34	approx. 164
833656	5x10	1,83	2,33	75	0,32	190
833655	5x16	1,15	1,47	100	0,31	217
833657	5x25	0,727	0,927	127	0,3	approx. 232
832976	6x1,5	12,1	15,4	18	-	=< 150
832974	6x2,5	7,41	9,45	25	-	=< 160
832977	7x1,5	12,1	15,4	17	-	=< 150
832975	7x2,5	7,41	9,45	23	-	=< 160
833664	8x1,5	12,1	15,4	16	-	=< 150
833665	8x2,5	7,41	9,45	22	-	=< 160
833666	10x1,5	12,1	15,4	14	-	=< 150
833667	10x2,5	7,41	9,45	19	-	=< 160

The information in this document is subject to change without notice. Although the information in this document has been compiled, and is maintained, with great care, Draka Kabel B.V. cannot guarantee that the available information is complete and/or correct. Draka Kabel B.V. cannot accept liability for any consequences, such as damage or loss of profits in any way as a result of using, relying on or actions undertaken as a result of information in this document.

HULT B2ca

Halogen free installation cable

Product nr.	No. of cores and conductor cross-section ¹ (n x mm ²)	Conductor resistance at 20 °C, DC (ohm/km)	Conductor resistance at 90 °C, 50 Hz (ohm/km)	Maximum current rating ² (A)	Working self-inductance ³ (mH/km)	Working capacitance ⁴ (nF/km)
833668	12x1,5	12,1	15,4	13	-	= < 150
833669	12x2,5	7,41	9,45	18	-	= < 160
833654	14x1,5	12,1	15,4	12	-	= < 150
833670	14x2,5	7,41	9,45	17	-	= < 160
833671	16x1,5	12,1	15,4	11,5	-	= < 150
833672	16x2,5	7,41	9,45	16	-	= < 160
833673	19x1,5	12,1	15,4	11	-	= < 150
833674	19x2,5	7,41	9,45	15	-	= < 160
833675	24x1,5	12,1	15,4	9,5	-	= < 150
833676	24x2,5	7,41	9,45	13	-	= < 160
833653	30x1,5	12,1	15,4	8,5	-	= < 150
833679	30x2,5	7,41	9,45	12,5	-	= < 160
833677	37x1,5	12,1	15,4	8	-	= < 150
833678	37x2,5	7,41	9,45	12	-	= < 160

1) The letter G in this column indicates presence of a green-and-yellow core. The letter x indicates absence of a green-and-yellow core. Cable types with variant colours are indicated with "var".

2) The maximum current rating applies to one cable in free air, at an ambient temperature of 30 °C, in accordance with NEN 1010:2007 table A.52-13. Correction factors for other circumstances are given in table A.52-15 and A.52-18. The maximum current for a single core cable is given in column 5 (three single core cables loaded in a triangular configuration). For 2- en 3-cores loaded cables respectively column 2 and 3 are applicable. For 4- and 5-cores cables the maximum current is given for 3 cores loaded. For multicore cables the maximum rating is based on table A.52-3.

3) For 4- and 5-cores cables the working self-inductance for 2 not adjacent cores is given. For multi core cables the values are available on request.

4) The working capacitance for asymmetric alternating current- or symmetric three phase current. The working capacitance of multi core cable is depending of the circuit.