

HULT CCA

Halogen free installation cable



GENERAL INFO

Product description

HULT Cca is a halogen-free **power and control cable** with a high level of fire safety. The cable is designed for humid spaces and can be installed in high ambient temperatures and in cable bundles. The installation cable is suitable for building installations, residential construction, industrial installations, and data centres.

The **halogen-free** composition of the cable also enables high-quality, fire-safe installations. Because this cable is **easy to strip**, it can be processed easily.

HULT Cca meets fire grade **Cca-s1,d1,a1** according to NEN-EN 50575 for use in buildings with a high fire risk according to NEN 8012.

Generic name(s)

YMz1K

CERTIFICATIONS AND DESIGN STANDARDS

Certifications and approvals



Standards

NEN 3618
HD 604-5-C
K 42C-1-5-C

CABLE DESIGN

Conductor material

Copper

Conductor surface

Bare

Core insulation material

XLPE

Core identification (acc. HD 308 S2)

Yes

Material outer sheath

Halogenfree polymer

Cable shape

Round

APPLICATION PROPERTIES

Nominal voltage U ₀ [V]	600
Nominal voltage U [V]	1,000
Test voltage [kV]	3.5
Oil resistant	acc. IEC/EN 60811-404
Max. conductor temperature [°C]	90
Min. outer temperature, fixed installation [°C]	-40
Max. outer temperature, fixed installation [°C]	80
UV resistant	Yes
Outdoor installation	Yes
Min. outer temperature during installation [°C]	-20
Max. outer temperature during installation [°C]	80

FIRE PROPERTIES

Flame retardant	In accordance with EN 13501-6
Halogen free	acc. IEC/EN 60754-1/2
Low smoke	Yes
CPR Euroclass reaction to fire	Cca
CPR Euroclass smoke development	s1
CPR Euroclass flaming particles	d1
CPR Euroclass acidity	a1

PRODUCT RANGE

Product code	Basic construction	Conductor category	Colour outer sheath	Nominal outer diameter [mm]	Cable weight [kg/km]	Min. bending radius, fixed [mm]	DOP number	Core colours
820935	2x1,5 mm ²	Class 1 = solid	Grey	9.46	147	50	1016981	blue - brown
834427	2x1,5 mm ²	Class 1 = solid	Blue	9.5	133	50	1017616	blue - brown
820938	3G1,5 mm ²	Class 1 = solid	Grey	9.89	165	55	1016982	yellow/green - blue - brown
825899	4G1,5 mm ²	Class 1 = solid	Grey	10.59	190	60	1017182	yellow/green - blue - brown - black
821665	4G1,5 mm ²	Class 1 = solid	Grey	10.59	190	60	1017018	yellow/green - brown - black - grey
821675	5G1,5 mm ²	Class 1 = solid	Grey	11.89	221	60	1017019	yellow/green - blue - brown - black - grey
821678	6G1,5 mm ²	Class 1 = solid	Grey	12.64	251	80	1017031	yellow/green - black with white printed numbering
821680	7G1,5 mm ²	Class 1 = solid	Grey	12.69	264	80	1017033	yellow/green - black with white printed numbering
821682	8G1,5 mm ²	Class 1 = solid	Grey	13.68	380	100	1017035	yellow/green - black with white printed numbering
821684	10G1,5 mm ²	Class 1 = solid	Grey	15.4	450	110	1017037	yellow/green - black with white printed numbering
821686	12G1,5 mm ²	Class 1 = solid	Grey	18	491	110	1017039	yellow/green - black with white printed numbering
819009	14G1,5 mm ²	Class 1 = solid	Grey	18.7	539	115	1016872	yellow/green - black with white printed numbering
821689	16G1,5 mm ²	Class 1 = solid	Grey	19.5	591	120	1017042	yellow/green - black with white printed numbering
821691	19G1,5 mm ²	Class 1 = solid	Grey	20.4	654	145	1017044	yellow/green - black with white printed numbering

PRODUCT RANGE

Product code	Basic construction	Conductor category	Colour outer sheath	Nominal outer diameter [mm]	Cable weight [kg/km]	Min. bending radius, fixed [mm]	DOP number	Core colours
821693	24G1,5 mm ²	Class 1 = solid	Grey	23	795	165	1017045	yellow/green - black with white printed numbering
818472	30G1,5 mm ²	Class 1 = solid	Grey	24.1	919	175	1016835	yellow/green - black with white printed numbering
821697	37G1,5 mm ²	Class 1 = solid	Grey	23	820	165		yellow/green - black with white printed numbering
818942	2x2,5 mm ²	Class 1 = solid	Grey	10.2	180	55	1016853	blue - brown
818471	3G2,5 mm ²	Class 1 = solid	Grey	10.69	207	60	1016832	yellow/green - blue - brown
825897	3x2,5 mm ²	Class 1 = solid	Grey	10.69	207	60	1017180	blue - brown - black
824305	3x2,5 mm ²	Class 1 = solid	Grey	10.69	207	60	1017153	brown - black - grey
818983	4G2,5 mm ²	Class 1 = solid	Grey	11.55	242	75	1016858	yellow/green - brown - black - grey
825898	4G2,5 mm ²	Class 1 = solid	Grey	11.55	242	75	1017181	yellow/green - blue - brown - black
820181	5G2,5 mm ²	Class 1 = solid	Grey	12.47	263	80	1016962	yellow/green - blue - brown - black - grey
821679	6G2,5 mm ²	Class 1 = solid	Grey	13.83	325	85	1017032	yellow/green - black with white printed numbering
821681	7G2,5 mm ²	Class 1 = solid	Grey	13.9	345	85	1017034	yellow/green - black with white printed numbering
821683	8G2,5 mm ²	Class 1 = solid	Grey	15	479	105	1017036	yellow/green - black with white printed numbering
821685	10G2,5 mm ²	Class 1 = solid	Grey	17	573	120	1017038	yellow/green - black with white printed numbering

PRODUCT RANGE

Product code	Basic construction	Conductor category	Colour outer sheath	Nominal outer diameter [mm]	Cable weight [kg/km]	Min. bending radius, fixed [mm]	DOP number	Core colours
821687	12G2,5 mm ²	Class 1 = solid	Grey	19.7	631	120	1017040	yellow/green - black with white printed numbering
821688	14G2,5 mm ²	Class 1 = solid	Grey	20.5	699	145	1017041	yellow/green - black with white printed numbering
821690	16G2,5 mm ²	Class 1 = solid	Grey	21.4	771	150	1017043	yellow/green - black with white printed numbering
821692	19G2,5 mm ²	Class 1 = solid	Grey	19.4	650	120		yellow/green - black with white printed numbering
821694	24G2,5 mm ²	Class 1 = solid	Grey	22.4	810	160		yellow/green - black with white printed numbering
823070	30G2,5 mm ²	Class 1 = solid	Grey	26.7	1,239	190	1017130	yellow/green - black with white printed numbering
821698	37G2,5 mm ²	Class 1 = solid	Grey	25.6	1,180	180		yellow/green - black with white printed numbering
821644	2x4 mm ²	Class 1 = solid	Grey	11.66	227	60	1017010	blue - brown
836656	3x4 mm ²	Class 1 = solid	Grey	11.7	248	75	1018896	brown - black - grey
821652	3G4 mm ²	Class 1 = solid	Grey	12.22	265	75	1017014	yellow/green - blue - brown
832106	4G4 mm ²	Class 1 = solid	Grey	13.14	317	80	1017263	yellow/green - blue - brown - black
818984	4G4 mm ²	Class 1 = solid	Grey	13.14	317	80	1016859	yellow/green - brown - black - grey
821676	5G4 mm ²	Class 1 = solid	Grey	14.2	374	90	1017030	yellow/green - blue - brown - black - grey
821634	1x6 mm ²	Class 1 = solid	Grey	7	95	30	1004488	black

PRODUCT RANGE

Product code	Basic construction	Conductor category	Colour outer sheath	Nominal outer diameter [mm]	Cable weight [kg/km]	Min. bending radius, fixed [mm]	DOP number	Core colours
821645	2x6 mm ²	Class 1 = solid	Grey	12.64	285	80	1017010	blue - brown
821653	3G6 mm ²	Class 1 = solid	Grey	13.28	340	80	1017015	yellow/green - blue - brown
818985	4G6 mm ²	Class 1 = solid	Grey	13.83	411	90	1016870	yellow/green - brown - black - grey
820344	5G6 mm ²	Class 1 = solid	Grey	15	488	95	1016963	yellow/green - blue - brown - black - grey
821635	1x10 mm ²	Class 2 = stranded	Grey	10.72	239	60	1017006	black
821646	2x10 mm ²	Class 2 = stranded	Grey	15.2	431	95	1017011	blue - brown
821654	3G10 mm ²	Class 2 = stranded	Grey	16	521	100	1017016	yellow/green - blue - brown
823551	3x10 mm ²	Class 2 = stranded	Grey	16	521	100	1017133	brown - black - grey
821666	4G10 mm ²	Class 2 = stranded	Grey	17.4	637	105	1017704	yellow/green - brown - black - grey
832940	4x10 mm ²	Class 2 = stranded	Grey	17.4	637	105	1017390	blue - brown - black - grey
820337	5G10 mm ²	Class 2 = stranded	Grey	19	771	115	1017700	yellow/green - blue - brown - black - grey
821636	1x16 mm ²	Class 2 = stranded	Grey	12.77	312	80	1017007	black
821647	2x16 mm ²	Class 2 = stranded	Grey	17.3	602	105	1017012	blue - brown
823585	3x16 mm ²	Class 2 = stranded	Grey	18.3	742	110	1017134	brown - black - grey

PRODUCT RANGE

Product code	Basic construction	Conductor category	Colour outer sheath	Nominal outer diameter [mm]	Cable weight [kg/km]	Min. bending radius, fixed [mm]	DOP number	Core colours
821655	3G16 mm ²	Class 2 = stranded	Grey	18.3	742	110	1017017	yellow/green - blue - brown
823231	4x16 mm ²	Class 2 = stranded	Grey	20	918	120	1017132	blue - brown - black - grey
821667	4G16 mm ²	Class 2 = stranded	Grey	20	918	120	1017705	yellow/green - brown - black - grey
820334	5G16 mm ²	Class 2 = stranded	Grey	21.8	1,114	155	1017699	yellow/green - blue - brown - black - grey
821637	1x25 mm ²	Class 2 = stranded	Grey	14.47	430	90	1017008	black
821648	2x25 mm ²	Class 2 = stranded	Grey	20.7	894	145	1017013	blue - brown
830151	3G25 mm ²	Class 2 = stranded	Grey	22	1,113	135	1017245	yellow/green - blue - brown
823586	3x25 mm ²	Class 2 = stranded	Grey	22	1,113	155	1017135	brown - black - grey
832938	4x25 mm ²	Class 2 = stranded	Grey	24	1,390	170	1017379	blue - brown - black - grey
821668	4G25 mm ²	Class 2 = stranded	Grey	24	1,390	170	1017706	yellow/green - brown - black - grey
836741	5G25 mm ²	Class 2 = stranded	Black	25.9	1,661	185	1019126	yellow/green - blue - brown - black - grey
820340	5G25 mm ²	Class 2 = stranded	Grey	26.4	1,698	185	1017701	geel/groen - blauw - bruin - zwart - grijs
828925	1x630 mm ²	Class 2 = stranded	Grey	43.8	6,544	220	1017213	black
836738	1x630 mm ²	Class 2 = stranded	Grey	43.8	6,545	220	1019094	black

ELECTRICAL PROPERTIES

Product code	Basic construction	Current carrying capacity [A]	Conductor resistance at 20° C [Ohm/km]	Conductor resistance at operation temperature [Ohm/km]	Pulling force pulling head [N]	Pulling force with pulling hose [N]
820935	2x1,5 mm ²	26	12.1	15.4	150	150
834427	2x1,5 mm ²	26	12.1	15.4	150	150
820938	3G1,5 mm ²	26	12.1	15.4	225	225
825899	4G1,5 mm ²	23	12.1	15.4	300	300
821665	4G1,5 mm ²	23	12.1	15.4	300	300
821675	5G1,5 mm ²	23	12.1	15.4	375	375
821678	6G1,5 mm ²	18	12.1	15.4	450	450
821680	7G1,5 mm ²	17	12.1	15.4	525	480
821682	8G1,5 mm ²	16	12.1	15.4	600	560
821684	10G1,5 mm ²	14	12.1	15.4	750	710
821686	12G1,5 mm ²	13	12.1	15.4	900	900
819009	14G1,5 mm ²	12	12.1	15.4	1,050	1,045
821689	16G1,5 mm ²	11.5	12.1	15.4	1,200	1,140
821691	19G1,5 mm ²	11	12.1	15.4	1,425	1,245

ELECTRICAL PROPERTIES

Product code	Basic construction	Current carrying capacity [A]	Conductor resistance at 20° C [Ohm/km]	Conductor resistance at operation temperature [Ohm/km]	Pulling force pulling head [N]	Pulling force with pulling hose [N]
821693	24G1,5 mm ²	9.5	12.1	15.4	1,800	1,585
818472	30G1,5 mm ²	8.5	12.1	15.4	2,250	1,740
821697	37G1,5 mm ²	8	12.1	15.4	2,775	1,585
818942	2x2,5 mm ²	36	7.41	9.45	250	250
818471	3G2,5 mm ²	36	7.41	9.45	375	340
825897	3x2,5 mm ²	32	7.41	9.45	375	340
824305	3x2,5 mm ²	32	7.41	9.45	375	340
818983	4G2,5 mm ²	32	7.41	9.45	500	400
825898	4G2,5 mm ²	32	7.41	9.45	500	400
820181	5G2,5 mm ²	32	7.41	9.45	625	465
821679	6G2,5 mm ²	25	7.41	9.45	750	570
821681	7G2,5 mm ²	23	7.41	9.45	875	575
821683	8G2,5 mm ²	22	7.41	9.45	1,000	675
821685	10G2,5 mm ²	19	7.41	9.45	1,250	865

ELECTRICAL PROPERTIES

Product code	Basic construction	Current carrying capacity [A]	Conductor resistance at 20° C [Ohm/km]	Conductor resistance at operation temperature [Ohm/km]	Pulling force pulling head [N]	Pulling force with pulling hose [N]
821687	12G2,5 mm ²	18	7.41	9.45	1,500	1,160
821688	14G2,5 mm ²	17	7.41	9.45	1,750	1,260
821690	16G2,5 mm ²	16	7.41	9.45	2,000	1,370
821692	19G2,5 mm ²	15	7.41	9.45	2,375	1,125
821694	24G2,5 mm ²	13	7.41	9.45	3,000	1,505
823070	30G2,5 mm ²	12.5	7.41	9.45	3,750	2,135
821698	37G2,5 mm ²	12	7.41	9.45	4,625	1,965
821644	2x4 mm ²	49	4.61	5.88	400	400
836656	3x4 mm ²	49	4.61	5.88	600	410
821652	3G4 mm ²	49	4.61	5.88	600	445
832106	4G4 mm ²	42	4.61	5.88	800	515
818984	4G4 mm ²	42	4.61	5.88	800	515
821676	5G4 mm ²	42	4.61	5.88	1,000	600
821634	1x6 mm ²	52	3.08	3.93	300	145

ELECTRICAL PROPERTIES

Product code	Basic construction	Current carrying capacity [A]	Conductor resistance at 20° C [Ohm/km]	Conductor resistance at operation temperature [Ohm/km]	Pulling force pulling head [N]	Pulling force with pulling hose [N]
821645	2x6 mm ²	63	3.08	3.93	600	475
821653	3G6 mm ²	63	3.08	3.93	900	525
818985	4G6 mm ²	54	3.08	3.93	1,200	570
820344	5G6 mm ²	54	3.08	3.93	1,500	675
821635	1x10 mm ²	74	1.83	2.33	500	340
821646	2x10 mm ²	86	1.83	2.33	1,000	690
821654	3G10 mm ²	86	1.83	2.33	1,500	765
823551	3x10 mm ²	75	1.83	2.33	1,500	765
821666	4G10 mm ²	75	1.83	2.33	2,000	905
832940	4x10 mm ²	75	1.83	2.33	2,000	905
820337	5G10 mm ²	75	1.83	2.33	2,500	1,080
821636	1x16 mm ²	101	1.15	1.47	800	485
821647	2x16 mm ²	115	1.15	1.47	1,600	895
823585	3x16 mm ²	100	1.15	1.47	2,400	1,000

ELECTRICAL PROPERTIES

Product code	Basic construction	Current carrying capacity [A]	Conductor resistance at 20° C [Ohm/km]	Conductor resistance at operation temperature [Ohm/km]	Pulling force pulling head [N]	Pulling force with pulling hose [N]
821655	3G16 mm ²	115	1.15	1.47	2,400	1,000
823231	4x16 mm ²	100	1.15	1.47	3,200	1,200
821667	4G16 mm ²	100	1.15	1.47	3,200	1,200
820334	5G16 mm ²	100	1.15	1.47	4,000	1,425
821637	1x25 mm ²	135	0.727	0.927	1,250	625
821648	2x25 mm ²	149	0.727	0.927	2,500	1,285
830151	3G25 mm ²	127	0.727	0.927	3,750	1,450
823586	3x25 mm ²	127	0.727	0.927	3,750	1,450
832938	4x25 mm ²	127	0.727	0.927	5,000	1,725
821668	4G25 mm ²	127	0.727	0.927	5,000	1,725
836741	5G25 mm ²	127	0.727	0.927	6,250	2,010
820340	5G25 mm ²	127	0.727	0.927	6,250	2,090
828925	1x630 mm ²	1,088	0.0283	0.0412	10,000	5,755
836738	1x630 mm ²	1,088	0.0283	0.0412	10,000	5,755

Current load according to NEN1010:2015, Table 52.B