

HULTFLEX CCA

Halogen free installation cable



GENERAL INFO

Product description

HULTFLEX Cca is a **halogen-free power cable** with a high level of fire safety. The cable is used in installations with many bends, in humid spaces, in situations with a high ambient temperature, and in cable bundles. The 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 wire is **easy to strip**, it can be processed easily.

HULTFLEX 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 rss

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
826746	1x35 mm ²	Class 2 = stranded	Grey	15.7	533	80	1017208	black
826747	2x35 mm ²	Class 2 = stranded	Grey	23.2	1,151	120	1017209	blue - brown
826720	3G35 mm ²	Class 2 = stranded	Grey	24.1	1,440	125	1017202	yellow/green - blue - brown
826133	4G35 mm ²	Class 2 = stranded	Grey	26.5	1,807	135	1017713	yellow/green - brown - black - grey
832934	4x35 mm ²	Class 2 = stranded	Grey	27	1,809	135	1017378	blue - brown - black - grey
826153	5G35 mm ²	Class 2 = stranded	Grey	29.2	2,212	150	1017725	yellow/green - blue - brown - black - grey
825908	1x50 mm ²	Class 2 = stranded	Grey	17.2	671	90	1017183	black
826748	2x50 mm ²	Class 2 = stranded	Grey	25.8	1,460	130	1004510	blauw - bruin
826721	3x50 mm ²	Class 2 = stranded	Grey	27.6	1,874	140	1017203	brown - black - grey
836740	4x50 mm ²	Class 2 = stranded	Black	30.1	2,332	155	1019125	blue - brown - black - grey
829901	4x50 mm ²	Class 2 = stranded	Grey	30.1	2,334	155	1017240	blue - brown - black - grey
826150	4G50 mm ²	Class 2 = stranded	Grey	31.2	2,392	155	1017722	yellow/green - brown - black - grey
825879	5G50 mm ²	Class 2 = stranded	Grey	34.5	2,969	175	1017708	yellow/green - blue - brown - black - grey
826143	1x70 mm ²	Class 2 = stranded	Grey	19.2	893	100	1017716	black

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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
826749	2x70 mm ²	Class 2 = stranded	Grey	29.9	2,020	150	1004511	blue - brown
826722	3x70 mm ²	Class 2 = stranded	Grey	32.1	2,585	160	1004508	brown - black - grey
826134	4C70 mm ²	Class 2 = stranded	Grey	36	3,365	180	1017714	yellow/green - brown - black - grey
829902	4x70 mm ²	Class 2 = stranded	Grey	36	3,365	180	1017241	blue - brown - black - grey
826154	5C70 mm ²	Class 2 = stranded	Grey	40.1	4,178	205	1017726	yellow/green - blue - brown - black - grey
826144	1x95 mm ²	Class 2 = stranded	Grey	21.1	1,158	110	1017717	black
826723	3x95 mm ²	Class 2 = stranded	Grey	36.7	3,546	185	1017204	brown - black - grey
826135	4C95 mm ²	Class 2 = stranded	Grey	40.9	4,536	205	1017715	yellow/green - brown - black - grey
829903	4x95 mm ²	Class 2 = stranded	Grey	40.9	4,536	205	1017242	blue - brown - black - grey
826113	5C95 mm ²	Class 2 = stranded	Grey	45.9	5,656	230	1017712	yellow/green - blue - brown - black - grey
826145	1x120 mm ²	Class 2 = stranded	Grey	19.34	1,420	115	1017718	black
826724	3x120 mm ²	Class 2 = stranded	Grey	40.9	4,475	205	1017205	brown - black - grey
829904	4x120 mm ²	Class 2 = stranded	Grey	46	5,774	230	1017243	blue - brown - black - grey
826151	4C120 mm ²	Class 2 = stranded	Grey	46	5,774	230	1017723	yellow/green - 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
825902	5G120 mm ²	Class 2 = stranded	Grey	50.9	7,124	255	1017709	yellow/green - blue - brown - black - grey
826146	1x150 mm ²	Class 2 = stranded	Grey	21.51	1,719	125	1017719	black
826725	3x150 mm ²	Class 2 = stranded	Grey	46	5,390	225	1017206	brown - black - grey
826152	4G150 mm ²	Class 2 = stranded	Grey	50.9	7,116	255	1017724	yellow/green - brown - black - grey
825996	4x150 mm ²	Class 2 = stranded	Grey	50.9	7,116	255	1017184	blue - brown - black - grey
825910	5G150 mm ²	Class 2 = stranded	Grey	56.6	8,796	285	1017710	yellow/green - blue - brown - black - grey
826147	1x185 mm ²	Class 2 = stranded	Grey	23.76	2,102	140	1017720	black
826726	3x185 mm ²	Class 2 = stranded	Grey	51	6,942	255	1017207	brown - black - grey
836739	4x185 mm ²	Class 2 = stranded	Black	56.7	8,865	285	1019124	blue - brown - black - grey
825868	4G185 mm ²	Class 2 = stranded	Grey	56.7	8,867	285	1017707	yellow/green - brown - black - grey
825997	4x185 mm ²	Class 2 = stranded	Grey	56.7	8,867	285	1017185	blue - brown - black - grey
825911	5G185 mm ²	Class 2 = stranded	Grey	63.1	10,980	320	1017711	yellow/green - blue - brown - black - grey
836020	1x240 mm ²	Class 2 = stranded	Black	29.8	2,668	150	1017673	black
826148	1x240 mm ²	Class 2 = stranded	Grey	29.8	2,669	150	1017721	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
826728	4G240 mm ²	Class 2 = stranded	Grey	63.7	11,438	320	1016753	yellow/green - brown - black - grey
825998	4x240 mm ²	Class 2 = stranded	Grey	63.7	11,439	320	1017186	blue - brown - black - grey
832580	5G240 mm ²	Class 2 = stranded	Grey	70.9	14,111	355	1017289	yellow/green - blue - brown - black - grey
836019	1x300 mm ²	Class 2 = stranded	Black	32.5	3,271	165	1017672	black
826172	1x300 mm ²	Class 2 = stranded	Grey	32.5	3,272	165	1017201	black
834948	1x400 mm ²	Class 2 = stranded	Black	35.8	4,103	180	1017656	grijs
826149	1x400 mm ²	Class 2 = stranded	Grey	35.8	4,104	180	1017200	black
834949	1x500 mm ²	Class 2 = stranded	Black	39.5	5,150	200	1017657	black
828924	1x500 mm ²	Class 2 = stranded	Grey	39.5	5,151	200	1017212	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]
826746	1x35 mm ²	169	0.524	0.669	1,750	735
826747	2x35 mm ²	185	0.524	0.669	3,500	1,610
826720	3G35 mm ²	185	0.524	0.669	5,250	1,740
826133	4G35 mm ²	158	0.524	0.669	7,000	2,105
832934	4x35 mm ²	122	0.524	0.669	7,000	2,185
826153	5G35 mm ²	158	0.524	0.669	8,750	2,555
825908	1x50 mm ²	207	0.387	0.494	2,500	885
826748	2x50 mm ²	225	0.387	0.494	5,000	1,995
826721	3x50 mm ²	192	0.387	0.494	7,500	2,285
836740	4x50 mm ²	192	0.387	0.494	10,000	2,715
829901	4x50 mm ²	192	0.387	0.494	10,000	2,715
826150	4G50 mm ²	192	0.387	0.494	10,000	2,920
825879	5G50 mm ²	192	0.387	0.494	10,000	3,570
826143	1x70 mm ²	268	0.268	0.343	3,500	1,105

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]
826749	2x70 mm ²	289	0.268	0.343	7,000	2,680
826722	3x70 mm ²	246	0.268	0.343	10,000	3,090
826134	4G70 mm ²	246	0.268	0.343	10,000	3,885
829902	4x70 mm ²	246	0.268	0.343	10,000	3,885
826154	5G70 mm ²	246	0.268	0.343	10,000	4,820
826144	1x95 mm ²	328	0.193	0.248	4,750	1,335
826723	3x95 mm ²	298	0.193	0.248	10,000	4,040
826135	4G95 mm ²	298	0.193	0.248	10,000	5,015
829903	4x95 mm ²	298	0.193	0.248	10,000	5,015
826113	5G95 mm ²	298	0.193	0.248	10,000	6,320
826145	1x120 mm ²	383	0.153	0.198	6,000	1,120
826724	3x120 mm ²	346	0.153	0.198	10,000	5,015
829904	4x120 mm ²	346	0.153	0.198	10,000	6,345
826151	4G120 mm ²	346	0.153	0.198	10,000	6,345

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]
825902	5G120 mm ²	346	0.153	0.198	10,000	7,770
826146	1x150 mm ²	444	0.124	0.162	7,500	1,385
826725	3x150 mm ²	399	0.124	0.162	10,000	6,345
826152	4G150 mm ²	399	0.124	0.162	10,000	7,770
825996	4x150 mm ²	399	0.124	0.162	10,000	7,770
825910	5G150 mm ²	399	0.124	0.162	10,000	9,610
826147	1x185 mm ²	510	0.0991	0.131	9,250	1,690
826726	3x185 mm ²	456	0.0991	0.131	10,000	7,800
836739	4x185 mm ²	456	0.0991	0.131	10,000	9,640
825868	4G185 mm ²	456	0.0991	0.131	10,000	9,640
825997	4x185 mm ²	456	0.0991	0.131	10,000	9,640
825911	5G185 mm ²	456	0.0991	0.131	10,000	10,000
836020	1x240 mm ²	607	0.0754	0.102	10,000	2,660
826148	1x240 mm ²	607	0.0754	0.102	10,000	2,660

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]
826728	4G240 mm ²	538	0.0754	0.102	10,000	10,000
825998	4x240 mm ²	538	0.0754	0.102	10,000	10,000
832580	5G240 mm ²	538	0.0754	0.102	10,000	10,000
836019	1x300 mm ²	703	0.0601	0.0831	10,000	3,165
826172	1x300 mm ²	703	0.0601	0.0831	10,000	3,165
834948	1x400 mm ²	823	0.047	0.0685	10,000	3,840
826149	1x400 mm ²	823	0.047	0.0685	10,000	3,840
834949	1x500 mm ²	946	0.0366	0.0533	10,000	4,680
828924	1x500 mm ²	946	0.0366	0.0533	10,000	4,680

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