

## HULTFLEX XS CCA

Halogen free power cable with flexible conductor



### GENERAL INFO

#### Product description

HULTFLEX XS Cca is a **flexible, 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 HULTFLEX XS has a **very flexible** conductor (Class 5) with reduced electrical resistance (according to Class 2). Therefore, this flexible cable is easy to use at bends and level differences and saves the installer time.

HULTFLEX XS 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)

YMzIK ss

### 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 <sub>0</sub> [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
834211	4x240 mm <sup>2</sup>	Class 5 = flexible	Grey	65.4	11,799	330	1017588	blue - brown - black - grey
833989	5G10 mm <sup>2</sup>	Class 5 = flexible	Grey	21.7	798	90	1005344	yellow/green - blue - brown - black - grey
834024	5G16 mm <sup>2</sup>	Class 5 = flexible	Grey	24.9	1,164	100	1017812	yellow/green - blue - brown - black - grey
829156	1x25 mm <sup>2</sup>	Class 5 = flexible	Grey	14.9	456	60	1017736	black
829127	4G25 mm <sup>2</sup>	Class 5 = flexible	Grey	26.6	1,601	110	1017734	yellow/green - brown - black - grey
829128	5G25 mm <sup>2</sup>	Class 5 = flexible	Grey	29.1	1,940	120	1017735	yellow/green - blue - brown - black - grey
829157	1x35 mm <sup>2</sup>	Class 5 = flexible	Grey	16	552	65	1017737	black
829166	4G35 mm <sup>2</sup>	Class 5 = flexible	Grey	29.3	2,007	120	1017746	yellow/green - brown - black - grey
829071	5G35 mm <sup>2</sup>	Class 5 = flexible	Grey	32.1	2,438	130	1017728	yellow/green - blue - brown - black - grey
829158	1x50 mm <sup>2</sup>	Class 5 = flexible	Grey	17.6	694	75	1017738	black
829167	4G50 mm <sup>2</sup>	Class 5 = flexible	Grey	32.2	2,620	135	1017747	yellow/green - brown - black - grey
829109	5G50 mm <sup>2</sup>	Class 5 = flexible	Grey	36.4	3,181	150	1017730	yellow/green - blue - brown - black - grey
829159	1x70 mm <sup>2</sup>	Class 5 = flexible	Grey	15.9	925	80	1017739	black
829110	4G70 mm <sup>2</sup>	Class 5 = flexible	Grey	38	3,600	155	1017731	yellow/green - brown - black - grey

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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
829111	5G70 mm <sup>2</sup>	Class 5 = flexible	Grey	41.8	4,408	170	1017732	yellow/green - blue - brown - black - grey
829160	1x95 mm <sup>2</sup>	Class 5 = flexible	Grey	18.1	1,212	90	1017740	black
829070	4G95 mm <sup>2</sup>	Class 5 = flexible	Grey	42.8	4,799	175	1017727	yellow/green - brown - black - grey
834719	4x95 mm <sup>2</sup>	Class 5 = flexible	Grey	42.8	4,801	175	1017632	blue - brown - black - grey
829168	5G95 mm <sup>2</sup>	Class 5 = flexible	Grey	47.4	5,885	190	1017748	yellow/green - blue - brown - black - grey
829161	1x120 mm <sup>2</sup>	Class 5 = flexible	Grey	20.9	1,469	95	1017741	black
829112	4G120 mm <sup>2</sup>	Class 5 = flexible	Grey	47.1	5,934	190	1017733	yellow/green - brown - black - grey
834227	4x120 mm <sup>2</sup>	Class 5 = flexible	Grey	47.1	5,936	190	1017590	blue - brown - black - grey
829169	5G120 mm <sup>2</sup>	Class 5 = flexible	Grey	55.5	7,316	210	1017749	yellow/green - blue - brown - black - grey
829162	1x150 mm <sup>2</sup>	Class 5 = flexible	Grey	22	1,823	105	1017742	black
829108	4G150 mm <sup>2</sup>	Class 5 = flexible	Grey	52.1	7,335	210	1017729	yellow/green - brown - black - grey
834234	4x150 mm <sup>2</sup>	Class 5 = flexible	Grey	52.1	7,338	210	1017591	blue - brown - black - grey
832390	5G150 mm <sup>2</sup>	Class 5 = flexible	Grey	58	9,065	230	1017750	yellow/green - blue - brown - black - grey
829163	1x185 mm <sup>2</sup>	Class 5 = flexible	Grey	24.3	2,214	115	1017743	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
834645	4G185 mm <sup>2</sup>	Class 5 = flexible	Grey	58.1	9,112	240	1017628	
834212	4x185 mm <sup>2</sup>	Class 5 = flexible	Grey	58.1	9,112	240	1017589	blue - brown - black - grey
834644	5G185 mm <sup>2</sup>	Class 5 = flexible	Grey	64.6	11,273	265	1017627	yellow/green - blue - brown - black - grey
829164	1x240 mm <sup>2</sup>	Class 5 = flexible	Grey	27.4	2,809	130	1017744	black
834716	4G240 mm <sup>2</sup>	Class 5 = flexible	Grey	65.4	11,802	265	1017630	yellow/green - brown - black - grey
836778	5G240 mm <sup>2</sup>	Class 5 = flexible	Grey	72.8	14,526	295	1019354	yellow/green - blue - brown - black - grey
829165	1x300 mm <sup>2</sup>	Class 5 = flexible	Grey	30.8	3,451	140	1017745	black
836127	1x400 mm <sup>2</sup>	Class 5 = flexible	Grey	38.9	4,381	160	1017681	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]
834211	4x240 mm <sup>2</sup>	538	0.0754	0.102	10,000	10,000
833989	5G10 mm <sup>2</sup>	75	1.83	2.33	750	750
834024	5G16 mm <sup>2</sup>	100	1.15	1.47	1,200	1,200
829156	1x25 mm <sup>2</sup>	135	0.727	0.927	375	375
829127	4G25 mm <sup>2</sup>	127	0.727	0.927	1,500	1,500
829128	5G25 mm <sup>2</sup>	127	0.727	0.927	1,875	1,875
829157	1x35 mm <sup>2</sup>	169	0.524	0.669	525	525
829166	4G35 mm <sup>2</sup>	158	0.524	0.669	2,100	2,100
829071	5G35 mm <sup>2</sup>	158	0.524	0.669	2,625	2,625
829158	1x50 mm <sup>2</sup>	207	0.387	0.494	750	750
829167	4G50 mm <sup>2</sup>	192	0.387	0.494	3,000	3,000
829109	5G50 mm <sup>2</sup>	192	0.387	0.494	3,750	3,750
829159	1x70 mm <sup>2</sup>	268	0.268	0.343	1,050	755
829110	4G70 mm <sup>2</sup>	246	0.268	0.343	4,200	4,200

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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]
829111	5G70 mm <sup>2</sup>	246	0.268	0.343	5,250	5,240
829160	1x95 mm <sup>2</sup>	328	0.193	0.248	1,425	980
829070	4G95 mm <sup>2</sup>	298	0.193	0.248	5,700	5,495
834719	4x95 mm <sup>2</sup>	298	0.193	0.248	5,700	5,495
829168	5G95 mm <sup>2</sup>	298	0.193	0.248	7,125	6,740
829161	1x120 mm <sup>2</sup>	383	0.153	0.198	1,800	1,310
829112	4G120 mm <sup>2</sup>	346	0.153	0.198	7,200	6,655
834227	4x120 mm <sup>2</sup>				7,200	6,655
829169	5G120 mm <sup>2</sup>	346	0.153	0.198	9,000	9,000
829162	1x150 mm <sup>2</sup>	444	0.124	0.162	2,250	1,450
829108	4G150 mm <sup>2</sup>	399	0.124	0.162	9,000	8,140
834234	4x150 mm <sup>2</sup>				9,000	8,140
832390	5G150 mm <sup>2</sup>	399	0.124	0.162	10,000	10,000
829163	1x185 mm <sup>2</sup>	510	0.0991	0.131	2,775	1,770

## 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]
834645	4G185 mm <sup>2</sup>	456	0.0991	0.131	10,000	10,000
834212	4x185 mm <sup>2</sup>				10,000	10,000
834644	5G185 mm <sup>2</sup>	456	0.0991	0.131	10,000	10,000
829164	1x240 mm <sup>2</sup>	607	0.0754	0.102	3,600	2,250
834716	4G240 mm <sup>2</sup>	538	0.0754	0.102	10,000	10,000
836778	5G240 mm <sup>2</sup>	538	0.0754	0.102	10,000	10,000
829165	1x300 mm <sup>2</sup>	703	0.0601	0.0831	4,500	2,845
836127	1x400 mm <sup>2</sup>		0.047	0.0685	6,000	4,535

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