

## ARCTIC GRADE power cable RFOU 0,6/1(1,2)kV, P1/P8



Flame retardant halogen-free power cable. Oil & Mud resistant. Cold bend / Cold impact resistant

### RFOU 0,6/1(1,2)kV EPR/EPR/TCWB/EVA

NEK TS 606 CodeP1/P8 Arctic Grade

Operating temperature : 90°C  
Operating Voltage : 0,6/1(1,2)kV

#### Application

Fixed installation for power, control and lighting in both EX- and safe areas, general purposes. For installation in areas exposed to MUD and drilling/cleaning fluids. Meets the OIL & MUD resistance requirement in NEK 606. Meets the cold bend / cold impact requirement in CSA 22.2 0.3-01 and IEC 60092-350 clause 8.9 & Annex E at -40°C / -35°C.

#### Standards applied

IEC 60092-353	- Design
IEC 60228 class 2	- Conductor
IEC 60092-360	- Insulation
IEC 60092-360	- Sheath
IEC 60332-1-2	- Flame Retardant
IEC 60332-3-22	- Flame Retardant
IEC 60754-1,2	- Halogen Free
IEC 61034-1,2	- Low Smoke
CSA 22.2 0.3-01 (-40°C/-35°C) / IEC 60092-352 Annex E (-40°C/-35°C)	- Cold Bend / Cold Impact

#### Construction

	Code Letter	
Conductor		Tinned annealed stranded circular copper (STCC), IEC 60228 class 2
Insulation	R	EP-rubber, IEC 60092-360 (EPR)
Lay up / Shielding		Cores laid up in concentric layers
Inner covering	F	Flame retardant and halogen-free thermoset compound
Tape over inner covering		PET tape
Armour/screen	O	Tinned annealed copper wire braid
Tape over armour/screen		Rubberized Polyamide tape
Outer sheath	U	Flame retardant, halogen-free, mud and cold bend / cold impact resistant thermoset compound, SHF2 (IEC 60092-359)
Marking text		E.g. "meter" "year" DRAKA 01 RFOU 0.6/1kV P1/P8 3 x 95/50mm <sup>2</sup> IEC 60332-3-22 ARCTIC GRADE Cold bend (-40 deg. C) / Cold impact (-35 deg. C)
Manufacturing unit		DRAKA 01 = Draka Norsk Kabel,
Outer sheath colour		Black



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Thorne & Derrick  
+44 (0) 191 410 4292  
www.powerandcables.com

## Core identification power cables

Single core - Black -

Two cores - Blue - Brown -

Three cores - Brown - Black - Grey

Four cores - Blue - Brown - Black - Grey

Five cores - Blue - Brown - Black - Grey - Black

Seven cores and above - White with black numbers -

Two cores + earth (3G) - Yellow/green - Blue - Brown

Three cores + earth (4G) - Yellow/green - Brown - Black - Grey

Four cores + earth (5G) - Yellow/green - Blue - Brown - Black - Grey

G / X in cable description - G = One of the cores are yellow/green - X = no yellow/green core -

Core identification - to HD308S2 - and IEC 60445: Edition 5.0 2010-08 -

## Range and dimensions

Number of elements	Cross section core, mm <sup>2</sup>	Electrical Cross section braid, mm <sup>2</sup>	Conductor Diameter, mm	Insulation Thickness, mm	Thickness Inner covering, mm	Diameter inner covering, mm	Diameter Braid Wire, mm	Thickness Outer Sheath, mm	Diameter outer sheath, mm	Weight of Cable Approx. (Kg/Km)	Copper content Approx. (kg/km)
1	16	2.5	5.15	1.0	1.1	9.5 ± 0.5	0.2	1.2	13 ± 0.8	370	190
1	25	4	6.45	1.2	1.1	11.5 ± 0.8	0.2	1.2	15 ± 0.8	490	283
1	35	6	7.65	1.2	1.1	12.5 ± 0.8	0.3	1.3	16.5 ± 0.8	660	413
1	50	6	9.0	1.4	1.1	14.5 ± 0.8	0.3	1.4	18.5 ± 0.8	840	534
1	70	10	10.85	1.4	1.1	16.5 ± 0.8	0.3	1.4	21 ± 1	1120	757
1	95	10	12.60	1.6	1.1	18.5 ± 0.8	0.3	1.5	23 ± 1	1400	973
1	120	10	14.20	1.6	1.2	20.5 ± 1	0.3	1.6	25 ± 1	1730	1231
1	150	10	15.90	1.8	1.2	22.5 ± 1	0.3	1.6	27 ± 1	2070	1507
1	185	10	17.70	2.0	1.2	24.5 ± 1	0.3	1.7	29.5 ± 1	2490	1838
1	240	16	20.15	2.2	1.2	27.5 ± 1	0.3	1.8	33 ± 1.5	3140	2365
1	300	16	22.60	2.4	1.2	30.5 ± 1.5	0.3	1.9	35.5 ± 1.5	3830	2959
2	1.5	4	1.6	1.0	1.1	9.5 ± 0.5	0.2	1.2	13 ± 0.8	275	80
3	1.5	4	1.6	1.0	1.1	10 ± 0.8	0.2	1.2	13.5 ± 0.8	300	94
4	1.5	6	1.6	1.0	1.1	11 ± 0.8	0.3	1.3	15 ± 0.8	380	139
5	1.5	6	1.6	1.0	1.1	12 ± 0.8	0.3	1.3	16 ± 0.8	450	170
7	1.5	6	1.6	1.0	1.1	12 ± 0.8	0.3	1.3	16 ± 0.8	490	198
12	1.5	10	1.6	1.0	1.1	16 ± 0.8	0.3	1.5	20 ± 1	720	301
19	1.5	10	1.6	1.0	1.2	19 ± 0.8	0.3	1.6	23.5 ± 1	1000	415
27	1.5	10	1.6	1.0	1.2	22.5 ± 1	0.3	1.8	27.5 ± 1	1320	550
37	1.5	16	1.6	1.0	1.2	25 ± 1	0.3	1.9	30.5 ± 1.5	1680	716
2	2.5	4	2.0	1.0	1.1	10.5 ± 0.8	0.2	1.2	14 ± 0.8	320	98
3	2.5	6	2.0	1.0	1.1	11 ± 0.8	0.3	1.3	15 ± 0.8	400	152
4	2.5	6	2.0	1.0	1.1	12 ± 0.8	0.3	1.3	16 ± 0.8	470	192
5	2.5	6	2.0	1.0	1.1	13.5 ± 0.8	0.3	1.4	17.5 ± 0.8	540	214
7	2.5	6	2.0	1.0	1.1	13.5 ± 0.8	0.3	1.4	17.5 ± 0.8	620	277
12	2.5	10	2.0	1.0	1.2	18 ± 0.8	0.3	1.6	22.5 ± 1	930	426
19	2.5	10	2.0	1.0	1.2	21 ± 1	0.3	1.7	26 ± 1	1290	611
27	2.5	16	2.0	1.0	1.2	25 ± 1	0.3	1.9	30.5 ± 1.5	1720	819
37	2.5	16	2.0	1.0	1.4	29 ± 1	0.3	2	34 ± 1.5	2240	1074
3G	2.5	-	2.0	1.0	1.1	11 ± 0.8	0.3	1.3	15 ± 0.8	400	152
2	4	6	2.55	1.0	1.1	11.5 ± 0.8	0.3	1.3	15.5 ± 0.8	420	157
3	4	6	2.55	1.0	1.1	12 ± 0.8	0.3	1.3	16 ± 0.8	490	210
4	4	6	2.55	1.0	1.1	13.5 ± 0.8	0.3	1.4	17.5 ± 0.8	570	247
5	4	6	2.55	1.0	1.1	14.5 ± 0.8	0.3	1.4	19 ± 0.8	670	300
3G	4	-	2.55	1.0	1.1	12 ± 0.8	0.3	1.3	16 ± 0.8	490	210
4G	4	-	2.55	1.0	1.1	13.5 ± 0.8	0.3	1.4	17.5 ± 0.8	570	247
12	4	10	2.55	1.0	1.2	20 ± 1	0.3	1.7	24.5 ± 1	1200	616
20	4	16	2.55	1.0	1.2	25 ± 1	0.3	1.9	30.5 ± 1.5	1830	935
2	6	6	3.15	1.0	1.1	12.5 ± 0.8	0.3	1.3	16.5 ± 0.8	510	209
3	6	6	3.15	1.0	1.1	13.5 ± 0.8	0.3	1.4	17.5 ± 0.8	590	264
4	6	6	3.15	1.0	1.1	15 ± 0.8	0.3	1.4	19 ± 0.8	700	335
3G	6	-	3.15	1.0	1.1	13.5 ± 0.8	0.3	1.4	17.5 ± 0.8	590	264
4G	6	-	3.15	1.0	1.1	15 ± 0.8	0.3	1.4	19 ± 0.8	700	335
5G	6	-	3.15	1.0	1.1	16.5 ± 0.8	0.3	1.5	20.5 ± 1	820	390
2	10	10	4.05	1.0	1.1	14.5 ± 0.8	0.3	1.4	18.5 ± 0.8	670	300
3	10	10	4.05	1.0	1.1	15.5 ± 0.8	0.3	1.4	19.5 ± 0.8	790	391

Number of elements	Cross section core, mm <sup>2</sup>	Electrical Cross section braid, mm <sup>2</sup>	Conductor Diameter, mm	Insulation Thickness, mm	Thickness Inner covering, mm	Diameter inner covering, mm	Diameter Braid Wire, mm	Thickness Outer Sheath, mm	Diameter outer sheath, mm	Weight of Cable Approx. (Kg/Km)	Copper content Approx. (kg/km)
4	10	10	4.05	1.0	1.1	17 ± 0.8	0.3	1.5	21.5 ± 1	950	496
4G	10	-	4.05	1.0	1.1	17 ± 0.8	0.3	1.5	21.5 ± 1	950	496
5G	10	-	4.05	1.0	1.2	19 ± 0.8	0.3	1.5	23 ± 1	1140	603
2	16	16	5.15	1.0	1.1	16.5 ± 0.8	0.4	1.5	21.5 ± 1	950	481
3	16	16	5.15	1.0	1.1	18 ± 0.8	0.4	1.5	22.5 ± 1	1120	626
4	16	16	5.15	1.0	1.2	20 ± 1	0.4	1.6	24.5 ± 1	1400	806
3G	16	-	5.15	1.0	1.1	18 ± 0.8	0.3	1.5	22 ± 1	1060	571
4G	16	-	5.15	1.0	1.2	20 ± 1	0.3	1.6	24.5 ± 1	1320	734
5G	16	-	5.15	1.0	1.2	22 ± 1	0.3	1.6	26.5 ± 1	1570	905
2	25	16	6.45	1.2	1.2	20.5 ± 1	0.4	1.6	25.5 ± 1	1340	685
3	25	16	6.45	1.2	1.2	22 ± 1	0.3	1.6	26.5 ± 1	1570	893
4	25	16	6.45	1.2	1.2	24.5 ± 1	0.3	1.7	29 ± 1	1920	1125
4G	25	-	6.45	1.2	1.2	24.5 ± 1	0.3	1.7	29 ± 1	1890	1100
5G	25	-	6.45	1.2	1.2	27 ± 1	0.3	1.8	31.5 ± 1.5	2270	1356
2	35	16	7.65	1.2	1.2	23 ± 1	0.3	1.7	27.5 ± 1	1600	828
3	35	16	7.65	1.2	1.2	24.5 ± 1	0.3	1.7	29 ± 1	1940	1142
4	35	16	7.65	1.2	1.2	27 ± 1	0.3	1.8	32 ± 1.5	2390	1456
4G	35	-	7.65	1.2	1.2	27 ± 1	0.3	1.8	32 ± 1.5	2390	1456
5G	35	-	7.65	1.2	1.2	30 ± 1.5	0.3	1.9	35 ± 1.5	2860	1795
3	50	25	9.0	1.4	1.2	28.5 ± 1	0.4	1.9	34 ± 1.5	2690	1617
4	50	25	9.0	1.4	1.4	32 ± 1.5	0.4	2	37.5 ± 1.5	3310	2052
4G	50	-	9.0	1.4	1.4	32 ± 1.5	0.3	2	37.5 ± 1.5	3230	1970
5G	50	-	9.0	1.4	1.4	35 ± 1.5	0.4	2.1	41 ± 2	4010	2531
2	70	35	10.85	1.4	1.2	30.5 ± 1.5	0.6	1.9	36.5 ± 1.5	3040	1782
3	70	35	10.85	1.4	1.4	33 ± 1.5	0.5	2	39 ± 1.5	3720	2385
4	70	35	10.85	1.4	1.4	36.5 ± 1.5	0.5	2.2	43 ± 2	4580	3018
4G	70	-	10.85	1.4	1.4	36.5 ± 1.5	0.4	2.2	42.5 ± 2	4450	2888
2	95	50	12.60	1.6	1.4	35 ± 1.5	0.6	2.1	41.5 ± 2	3940	2317
3	95	50	12.60	1.6	1.4	37.5 ± 1.5	0.5	2.2	43.5 ± 2	4810	3126
4	95	50	12.60	1.6	1.4	41.5 ± 2	0.5	2.4	48.5 ± 2	6000	4020
4G	95	-	12.60	1.6	1.4	41.5 ± 2	0.4	2.4	48 ± 2	5770	3796
2	120	60	14.20	1.6	1.4	38 ± 1.5	0.6	2.2	45 ± 2	4790	2891
3	120	60	14.20	1.6	1.4	41 ± 2	0.6	2.3	48 ± 2	5930	3975
4	120	60	14.20	1.6	1.6	46 ± 2	0.6	2.5	53.5 ± 2.5	7420	5100

## Ordering information

New Part number	Old Part number	Description	Sheath Colour	Stock item	EAN No. DNK	EL No.
	810000	RFOU 0.6/1kV 1X16/2.5 P1/P8 Cold	BLACK	-	7021528100006	-
	810001	RFOU 0.6/1kV 1X25/4 P1/P8 Cold	BLACK	-	7021528100013	-
	810002	RFOU 0.6/1kV 1X35/6 P1/P8 Cold	BLACK	-	7021528100020	-
	810003	RFOU 0.6/1kV 1X50/6 P1/P8 Cold	BLACK	-	7021528100037	-
	810004	RFOU 0.6/1kV 1X70/10 P1/P8 Cold	BLACK	-	7021528100044	-
	810005	RFOU 0.6/1kV 1X95/10 P1/P8 Cold	BLACK	-	7021528100051	-
	810006	RFOU 0.6/1kV 1X120/10 P1/P8 Cold	BLACK	-	7021528100068	-
	810007	RFOU 0.6/1kV 1X150/10 P1/P8 Cold	BLACK	-	7021528100075	-
	810008	RFOU 0.6/1kV 1X185/10 P1/P8 Cold	BLACK	-	7021528100082	-
	810009	RFOU 0.6/1kV 1X240/16 P1/P8 Cold	BLACK	-	7021528100099	-
	810010	RFOU 0.6/1kV 1X300/16 P1/P8 Cold	BLACK	-	7021528100105	-
	810015	RFOU 0.6/1kV 2X1.5/4 P1/P8 Cold	BLACK	-	7021528100150	-
	810018	RFOU 0.6/1kV 3X1.5/4 P1/P8 Cold	BLACK	-	7021528100181	-
	810019	RFOU 0.6/1kV 4X1.5/6 P1/P8 Cold	BLACK	-	7021528100198	-
	810020	RFOU 0.6/1kV 5X1.5/6 P1/P8 Cold	BLACK	-	7021528100204	-
	810021	RFOU 0.6/1kV 7X1.5/6 P1/P8 Cold	BLACK	-	7021528100211	-
	810022	RFOU 0.6/1kV 12X1.5/10 P1/P8 Cold	BLACK	-	7021528100228	-
	810023	RFOU 0.6/1kV 19X1.5/10 P1/P8 Cold	BLACK	-	7021528100235	-
	810024	RFOU 0.6/1kV 27X1.5/10 P1/P8 Cold	BLACK	-	7021528100242	-
	810025	RFOU 0.6/1kV 37X1.5/16 P1/P8 Cold	BLACK	-	7021528100259	-

New Part number	Old Part number	Description	Sheath Colour	Stock item	EAN No. DNK	EL No.
	810029	RFOU 0.6/1kV 2X2.5/4 P1/P8 Cold	BLACK	-	7021528100297	-
	810032	RFOU 0.6/1kV 3X2.5/6 P1/P8 Cold	BLACK	-	7021528100327	-
	810035	RFOU 0.6/1kV 4X2.5/6 P1/P8 Cold	BLACK	-	7021528100358	-
	810036	RFOU 0.6/1kV 5X2.5/6 P1/P8 Cold	BLACK	-	7021528100365	-
	810037	RFOU 0.6/1kV 7X2.5/6 P1/P8 Cold	BLACK	-	7021528100372	-
	810038	RFOU 0.6/1kV 12X2.5/10 P1/P8 Cold	BLACK	-	7021528100389	-
	810039	RFOU 0.6/1kV 19X2.5/10 P1/P8 Cold	BLACK	-	7021528100396	-
	810040	RFOU 0.6/1kV 27X2.5/16 P1/P8 Cold	BLACK	-	7021528100402	-
	810041	RFOU 0.6/1kV 37X2.5/16 P1/P8 Cold	BLACK	-	7021528100419	-
	Tba	RFOU 0.6/1kV 3G 2.5 P1/P8 Cold	BLACK	-	-	-
	810045	RFOU 0.6/1kV 2X 4/6 P1/P8 Cold	BLACK	-	7021528100457	-
	810046	RFOU 0.6/1kV 3X 4/6 P1/P8 Cold	BLACK	-	7021528100464	-
	810047	RFOU 0.6/1kV 4X 4/6 P1/P8 Cold	BLACK	-	7021528100471	-
	810048	RFOU 0.6/1kV 5X 4/6 P1/P8 Cold	BLACK	-	7021528100488	-
	Tba	RFOU 0.6/1kV 3G 4 P1/P8 Cold	BLACK	-	-	-
	Tba	RFOU 0.6/1kV 4G 4 P1/P8 Cold	BLACK	-	-	-
	810150	RFOU 0.6/1kV 12X4/10 P1/P8 Cold	BLACK	-	7021528101508	-
	810151	RFOU 0.6/1kV 20X4/16 P1/P8 Cold	BLACK	-	7021528101515	-
	810051	RFOU 0.6/1kV 2X 6/6 P1/P8 Cold	BLACK	-	7021528100518	-
	810052	RFOU 0.6/1kV 3X 6/6 P1/P8 Cold	BLACK	-	7021528100525	-
	810053	RFOU 0.6/1kV 4X 6/6 P1/P8 Cold	BLACK	-	7021528100532	-
	Tba	RFOU 0.6/1kV 3G 6 P1/P8 Cold	BLACK	-	-	-
	Tba	RFOU 0.6/1kV 4G 6 P1/P8 Cold	BLACK	-	-	-
	810056	RFOU 0.6/1kV 5G 6 P1/P8 Cold	BLACK	-	7021528100563	-
	810057	RFOU 0.6/1kV 2X10/10 P1/P8 Cold	BLACK	-	7021528100570	-
	810058	RFOU 0.6/1kV 3X10/10 P1/P8 Cold	BLACK	-	7021528100587	-
	810059	RFOU 0.6/1kV 4X10/10 P1/P8 Cold	BLACK	-	7021528100594	-
	Tba	RFOU 0.6/1kV 4G 10 P1/P8 Cold	BLACK	-	-	-
	Tba	RFOU 0.6/1kV 5G 10 P1/P8 Cold	BLACK	-	-	-
	810063	RFOU 0.6/1kV 2X16/16 P1/P8 Cold	BLACK	-	7021528100631	-
	810064	RFOU 0.6/1kV 3X16/16 P1/P8 Cold	BLACK	-	7021528100648	-
	810065	RFOU 0.6/1kV 4X16/16 P1/P8 Cold	BLACK	-	7021528100655	-
	Tba	RFOU 0.6/1kV 3G 16 P1/P8 Cold	BLACK	-	-	-
	Tba	RFOU 0.6/1kV 4G 16 P1/P8 Cold	BLACK	-	-	-
	810067	RFOU 0.6/1kV 5G 16 P1/P8 Cold	BLACK	-	7021528100679	-
	810069	RFOU 0.6/1kV 2X25/16 P1/P8 Cold	BLACK	-	7021528100693	-
	810070	RFOU 0.6/1kV 3X25/16 P1/P8 Cold	BLACK	-	7021528100709	-
	810071	RFOU 0.6/1kV 4X25/16 P1/P8 Cold	BLACK	-	7021528100716	-
	Tba	RFOU 0.6/1kV 4G 25 P1/P8 Cold	BLACK	-	-	-
	810074	RFOU 0.6/1kV 5G 25 P1/P8 Cold	BLACK	-	7021528100747	-
	810075	RFOU 0.6/1kV 2X35/16 P1/P8 Cold	BLACK	-	7021528100754	-
	810076	RFOU 0.6/1kV 3X35/16 P1/P8 Cold	BLACK	-	7021528100761	-
	810077	RFOU 0.6/1kV 4X35/16 P1/P8 Cold	BLACK	-	7021528100778	-
	Tba	RFOU 0.6/1kV 4G 35 P1/P8 Cold	BLACK	-	-	-
	810079	RFOU 0.6/1kV 5G 35 P1/P8 Cold	BLACK	-	7021528100792	-
	810082	RFOU 0.6/1kV 3X50/25 P1/P8 Cold	BLACK	-	7021528100822	-
	810083	RFOU 0.6/1kV 4X50/25 P1/P8 Cold	BLACK	-	7021528100839	-
	Tba	RFOU 0.6/1kV 4G 50 P1/P8 Cold	BLACK	-	-	-
	Tba	RFOU 0.6/1kV 5G 50 P1/P8 Cold	BLACK	-	-	-
	810087	RFOU 0.6/1kV 2X70/35 P1/P8 Cold	BLACK	-	7021528100877	-
	810088	RFOU 0.6/1kV 3X70/35 P1/P8 Cold	BLACK	-	7021528100884	-
	810089	RFOU 0.6/1kV 4X70/35 P1/P8 Cold	BLACK	-	7021528100891	-
		RFOU 0.6/1kV 4G 70 P1/P8 Cold	BLACK	-	-	-
	810094	RFOU 0.6/1kV 2X95/50 P1/P8 Cold	BLACK	-	7021528100945	-
	810095	RFOU 0.6/1kV 3X95/50 P1/P8 Cold	BLACK	-	7021528100952	-
	810096	RFOU 0.6/1kV 4X95/50 P1/P8 Cold	BLACK	-	7021528100969	-
		RFOU 0.6/1kV 4G 95 P1/P8 Cold	BLACK	-	-	-
	810100	RFOU 0.6/1kV 2X120/60 P1/P8 Cold	BLACK	-	7021528101003	-
	810101	RFOU 0.6/1kV 3X120/60 P1/P8 Cold	BLACK	-	7021528101010	-
	810105	RFOU 0.6/1kV 4X120/60 P1/P8 Cold	BLACK	-	7021528101058	-

## Electrical values power cables

Number of elements	Cross section core, mm <sup>2</sup>	Electrical Cross section braid, mm <sup>2</sup>	Conductor type 2	Max. conductor resistance at 20°C, Ohm/km	Max. conductor resistance at 90°C, Ohm/km	Reactance at 50Hz, Ohm/km	Reactance at 60Hz, Ohm/km	Current rating IEC 60092-352 Table B.4, Ampere	Short circuit rating 1 second, Ampere
1	16	2.5	STCC	1.16	1.48	0.118	0.142	96	2240
1	25	4	STCC	0.734	0.936	0.111	0.134	127	3500
1	35	6	STCC	0.529	0.675	0.108	0.129	157	4900
1	50	6	STCC	0.391	0.499	0.105	0.126	196	7000
1	70	10	STCC	0.27	0.344	0.100	0.120	242	9800
1	95	10	STCC	0.195	0.249	0.097	0.117	293	13300
1	120	10	STCC	0.154	0.196	0.095	0.114	339	16800
1	150	10	STCC	0.126	0.161	0.093	0.112	389	21000
1	185	10	STCC	0.1	0.128	0.092	0.110	444	25900
1	240	16	STCC	0.0762	0.0972	0.090	0.108	522	33600
1	300	16	STCC	0.0607	0.0774	0.088	0.105	601	42000
2	1.5	4	STCC	12.2	15.6	0.110	0.132	20	210
3	1.5	4	STCC	12.2	15.6	0.110	0.132	16	210
4	1.5	6	STCC	12.2	15.6	0.110	0.132	16	210
5	1.5	6	STCC	12.2	15.6	0.110	0.132	13.5	210
7	1.5	6	STCC	12.2	15.6	0.110	0.132	12	210
12	1.5	10	STCC	12.2	15.6	0.110	0.132	10	210
19	1.5	10	STCC	12.2	15.6	0.110	0.132	8.5	210
27	1.5	10	STCC	12.2	15.6	0.110	0.132	7.5	210
37	1.5	16	STCC	12.2	15.6	0.110	0.132	7	210
2	2.5	4	STCC	7.56	9.64	0.103	0.123	26	350
3	2.5	6	STCC	7.56	9.64	0.103	0.123	21	350
4	2.5	6	STCC	7.56	9.64	0.103	0.123	21	350
5	2.5	6	STCC	7.56	9.64	0.103	0.123	17.5	350
7	2.5	6	STCC	7.56	9.64	0.103	0.123	15.5	350
12	2.5	10	STCC	7.56	9.64	0.103	0.123	13	350
19	2.5	10	STCC	7.56	9.64	0.103	0.123	11	350
27	2.5	16	STCC	7.56	9.64	0.103	0.123	10	350
37	2.5	16	STCC	7.56	9.64	0.103	0.123	9	350
3G	2.5	-	STCC	7.56	9.64	0.103	0.123	26	350
2	4	6	STCC	4.7	5.99	0.096	0.115	34	560
3	4	6	STCC	4.7	5.99	0.096	0.115	28	560
4	4	6	STCC	4.7	5.99	0.096	0.115	28	560
5	4	6	STCC	4.7	5.99	0.096	0.115	23.5	560
3G	4	-	STCC	4.7	5.99	0.096	0.115	34	560
4G	4	-	STCC	4.7	5.99	0.096	0.115	28	560
12	4	10	STCC	4.7	5.99	0.096	0.115	17.5	560
20	4	16	STCC	4.7	5.99	0.096	0.115	14.5	560
2	6	6	STCC	3.11	3.97	0.090	0.108	44	840
3	6	6	STCC	3.11	3.97	0.090	0.108	36	840
4	6	6	STCC	3.11	3.97	0.090	0.108	36	840
3G	6	-	STCC	3.11	3.97	0.090	0.108	44	840
4G	6	-	STCC	3.11	3.97	0.090	0.108	36	840
5G	6	-	STCC	3.11	3.97	0.090	0.108	36	840
2	10	10	STCC	1.84	2.35	0.084	0.101	61	1400
3	10	10	STCC	1.84	2.35	0.084	0.101	50	1400
4	10	10	STCC	1.84	2.35	0.084	0.101	50	1400
4G	10	-	STCC	1.84	2.35	0.084	0.101	50	1400
5G	10	-	STCC	1.84	2.35	0.084	0.101	50	1400
2	16	16	STCC	1.16	1.48	0.080	0.096	80	2240
3	16	16	STCC	1.16	1.48	0.080	0.096	67	2240
4	16	16	STCC	1.16	1.48	0.080	0.096	67	2240
3G	16	-	STCC	1.16	1.48	0.080	0.096	80	2240
4G	16	-	STCC	1.16	1.48	0.080	0.096	67	2240
5G	16	-	STCC	1.16	1.48	0.080	0.096	67	2240
2	25	16	STCC	0.734	0.936	0.079	0.095	108	3500
3	25	16	STCC	0.734	0.936	0.079	0.095	89	3500
4	25	16	STCC	0.734	0.936	0.079	0.095	89	3500
4G	25	-	STCC	0.734	0.936	0.079	0.095	89	3500

Number of elements	Cross section core, mm <sup>2</sup>	Electrical Cross section braid, mm <sup>2</sup>	Conductor type 2	Max. conductor resistance at 20°C, Ohm/km	Max. conductor resistance at 90°C, Ohm/km	Reactance at 50Hz, Ohm/km	Reactance at 60Hz, Ohm/km	Current rating IEC 60092-352 Table B.4, Ampere	Short circuit rating 1 second, Ampere
5G	25	-	STCC	0.734	0.936	0.079	0.095	89	3500
2	35	16	STCC	0.529	0.675	0.076	0.092	133	4900
3	35	16	STCC	0.529	0.675	0.076	0.092	110	4900
4	35	16	STCC	0.529	0.675	0.076	0.092	110	4900
4G	35	-	STCC	0.529	0.675	0.076	0.092	110	4900
5G	35	-	STCC	0.529	0.675	0.076	0.092	110	4900
3	50	25	STCC	0.391	0.499	0.076	0.092	137	7000
4	50	25	STCC	0.391	0.499	0.076	0.092	137	7000
4G	50	-	STCC	0.391	0.499	0.076	0.092	137	7000
5G	50	-	STCC	0.391	0.499	0.076	0.092	137	7000
2	70	35	STCC	0.27	0.344	0.074	0.088	206	9800
3	70	35	STCC	0.27	0.344	0.074	0.088	169	9800
4	70	35	STCC	0.27	0.344	0.074	0.088	169	9800
4G	70	-	STCC	0.27	0.344	0.074	0.088	169	9800
2	95	50	STCC	0.195	0.249	0.073	0.088	249	13300
3	95	50	STCC	0.195	0.249	0.073	0.088	205	13300
4	95	50	STCC	0.195	0.249	0.073	0.088	205	13300
4G	95	-	STCC	0.195	0.249	0.073	0.088	205	13300
2	120	60	STCC	0.154	0.196	0.072	0.086	288	16800
3	120	60	STCC	0.154	0.196	0.072	0.086	237	16800
4	120	60	STCC	0.154	0.196	0.072	0.086	237	16800

### Ambient temperature correction factors

Ambient Temp °C	35	40	45	50	55	60	65	70	75	80
Rating factor	1.10	1.05	1.00	0.94	0.88	0.82	0.74	0.67	0.58	0.47

### Installation recommendations

Minimum Bending Radius during Installation	Minimum Bending Radius Fixed Installed	Maximum Tensile Load During Installation	Minimum Installation Temperature
8 x D	6 x D	50 N /mm <sup>2</sup>	-40°C



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Thorne & Derrick  
+44 (0) 191 410 4292  
www.powerandcables.com