

## ARCTIC GRADE Fire resistant power cable, BFOU 0,6/1(1,2)kV, P5/P12



Fire resistant, flame retardant halogen-free power cable. Oil & Mud resistant. Cold bend / Cold impact resistant

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

NEK TS 606 CodeP5/P12 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 (Zone 0, 1 & 2)- and safe areas, emergency and critical systems where requirement for fire resistance exists. 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 60331-1, -2, -21	- Fire Resistant
IEC 60754-1,2	- Halogen Free
IEC 61034-1,2	- Low Smoke
CSA 22.2 0.3-01 (-40°C/-35°C) / IEC 60092-350 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	B	Mica-tape + EP-rubber, IEC 60092-360 (EPR)
Lay up / Shielding		Cores laid up in concentric layers
Inner covering	F	Flame retardant and halogen-free thermoplastic 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 60092-360)
Marking text		E.g. "meter" "year" DRAKA 01 BFOU 0.6/1kV P5/P12 3 x 50/25mm <sup>2</sup> FLEX - FLAME IEC 60092-353 IEC 60331-1*) or IEC 60331-2*) IEC 60331-21 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

\*) IEC 60331-1 for cables with an overall diameter exceeding 20 mm and IEC 60331-2 for cables with an overall diameter not exceeding 20 mm



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## 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	Mechanical cross-section of the braid, mm <sup>2</sup>	Thickness Outer Sheath, mm	Diameter outer sheath, mm	Weight of Cable Approx. (Kg/Km)	Copper content Approx. (kg/km)
1	16	4	5.15	1.0	1.1	10 ± 0.8	0.2	5.3	1.2	13.5 ± 0.8	380	198
1	25	6	6.45	1.2	1.1	11.5 ± 0.8	0.3	8.5	1.3	15.5 ± 0.8	540	314
1	50	10	9.0	1.4	1.1	15 ± 0.8	0.3	12.7	1.4	19 ± 0.8	880	559
1	70	10	10.85	1.4	1.1	16.5 ± 0.8	0.3	12.7	1.4	21 ± 1	1130	757
1	95	10	12.60	1.6	1.1	19 ± 0.8	0.3	15.3	1.5	23.5 ± 1	1440	996
1	120	10	14.20	1.6	1.2	20.5 ± 1	0.3	15.3	1.6	25.5 ± 1	1740	1231
1	150	10	15.90	1.8	1.2	23 ± 1	0.3	17.8	1.7	28 ± 1	2130	1535
1	185	10	17.70	2.0	1.2	25 ± 1	0.3	17.8	1.7	30 ± 1.5	2510	1838
1	240	16	20.15	2.2	1.2	28 ± 1	0.3	20.4	1.8	33 ± 1.5	3160	2365
1	300	16	22.60	2.4	1.2	31 ± 1.5	0.3	22.9	1.9	36 ± 1.5	3880	2984
2	1.5	4	1.6	1.0	1.1	10 ± 0.8	0.2	5.3	1.2	13.5 ± 0.8	290	80
3	1.5	6	1.6	1.0	1.1	10.5 ± 0.8	0.3	8.5	1.3	14.5 ± 0.8	360	125
4	1.5	6	1.6	1.0	1.1	11.5 ± 0.8	0.3	10.2	1.3	15.5 ± 0.8	420	156
5	1.5	6	1.6	1.0	1.1	13 ± 0.8	0.3	10.2	1.4	17 ± 0.8	490	170
7	1.5	6	1.6	1.0	1.1	13 ± 0.8	0.3	11.9	1.4	17 ± 0.8	540	214
12	1.5	10	1.6	1.0	1.2	17.5 ± 0.8	0.3	15.3	1.6	22 ± 1	810	318
19	1.5	10	1.6	1.0	1.2	20.5 ± 1	0.3	17.8	1.7	25 ± 1	1100	440
27	1.5	16	1.6	1.0	1.2	24.5 ± 1	0.3	20.4	1.9	29.5 ± 1	1450	577
37	1.5	16	1.6	1.0	1.4	27.5 ± 1	0.3	22.9	2	33 ± 1.5	1870	741
2	2.5	6	2.0	1.0	1.1	11 ± 0.8	0.3	8.5	1.3	15 ± 0.8	370	129
3	2.5	6	2.0	1.0	1.1	11.5 ± 0.8	0.3	10.2	1.3	15.5 ± 0.8	430	169
4	2.5	6	2.0	1.0	1.1	12.5 ± 0.8	0.3	10.2	1.3	16.5 ± 0.8	480	192
7	2.5	6	2.0	1.0	1.1	14.5 ± 0.8	0.3	11.9	1.4	18.5 ± 0.8	640	277
12	2.5	10	2.0	1.0	1.2	19 ± 0.8	0.3	17.8	1.6	23.5 ± 1	990	450
19	2.5	16	2.0	1.0	1.2	22.5 ± 1	0.3	20.4	1.8	27.5 ± 1	1380	636
27	2.5	16	2.0	1.0	1.4	27 ± 1	0.3	22.9	2	32.5 ± 1.5	1870	844
37	2.5	25	2.0	1.0	1.4	30.5 ± 1.5	0.4	36.2	2.2	36.5 ± 1.5	2500	1204
3G	2.5	-	2.0	1.0	1.1	11.5 ± 0.8	0.3	10.2	1.3	15.5 ± 0.8	430	169
2	4	6	2.55	1.0	1.1	12 ± 0.8	0.3	10.2	1.3	16 ± 0.8	460	173
3	4	6	2.55	1.0	1.1	13 ± 0.8	0.3	10.2	1.3	17 ± 0.8	510	210
4	4	6	2.55	1.0	1.1	14 ± 0.8	0.3	11.9	1.4	18.5 ± 0.8	610	263
3G	4	-	2.55	1.0	1.1	13 ± 0.8	0.3	10.2	1.3	16.5 ± 0.8	510	210
2	6	6	3.15	1.0	1.1	13.5 ± 0.8	0.3	10.2	1.4	17.5 ± 0.8	540	209

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	Mechanical cross-section of the braid, mm <sup>2</sup>	Thickness Outer Sheath, mm	Diameter outer sheath, mm	Weight of Cable Approx. (Kg/Km)	Copper content Approx. (kg/km)
3	6	6	3.15	1.0	1.1	14 ± 0.8	0.3	11.9	1.4	18.5 ± 0.8	630	281
4	6	6	3.15	1.0	1.1	15.5 ± 0.8	0.3	11.9	1.4	19.5 ± 0.8	730	335
5G	6	-	3.15	1.0	1.1	17.5 ± 0.8	0.3	13.6	1.5	21.5 ± 1	890	406
2	10	10	4.05	1.0	1.1	15 ± 0.8	0.3	11.9	1.4	19 ± 0.8	690	299
3	10	10	4.05	1.0	1.1	16 ± 0.8	0.3	11.9	1.5	20.5 ± 1	810	390
4	10	10	4.05	1.0	1.1	18 ± 0.8	0.3	13.6	1.5	22 ± 1	980	496
5G	10	-	4.05	1.0	1.2	20 ± 1	0.3	15.3	1.6	24.5 ± 1	1190	603
2	16	16	5.15	1.0	1.1	17.5 ± 0.8	0.5	21.2	1.5	22.5 ± 1	990	500
3	16	16	5.15	1.0	1.1	18.5 ± 0.8	0.4	22.6	1.5	23 ± 1	1170	660
4	16	16	5.15	1.0	1.2	21 ± 1	0.4	22.6	1.6	25.5 ± 1	1410	806
2	25	16	6.45	1.2	1.2	21 ± 1	0.4	22.6	1.6	26 ± 1	1370	685
3	25	16	6.45	1.2	1.2	22.5 ± 1	0.3	20.4	1.7	27.5 ± 1	1610	894
4	25	16	6.45	1.2	1.2	25 ± 1	0.3	20.4	1.8	30 ± 1.5	1960	1125
2	35	16	7.65	1.2	1.2	23.5 ± 1	0.3	20.4	1.7	28.5 ± 1	1650	828
3	35	16	7.65	1.2	1.2	25.5 ± 1	0.3	20.4	1.8	30 ± 1.5	2010	1142
4	35	16	7.65	1.2	1.2	28 ± 1	0.3	20.4	1.9	33 ± 1.5	2470	1456
5G	35	-	7.65	1.2	1.4	31.5 ± 1.5	0.3	22.9	2	36.5 ± 1.5	2990	1795
3	50	25	9.0	1.4	1.2	29 ± 1	0.4	31.7	1.9	34.5 ± 1.5	2720	1617
4	50	25	9.0	1.4	1.4	32.5 ± 1.5	0.4	31.7	2	38.5 ± 1.5	3360	2052
4G	50	-	9.0	1.4	1.4	32.5 ± 1.5	0.3	25.4	2	38 ± 1.5	3300	1991
5G	50	-	9.0	1.4	1.4	36 ± 1.5	0.4	36.2	2.2	42 ± 2	4090	2531
2	70	35	10.85	1.4	1.6	31.5 ± 1.5	0.6	50.9	2	38 ± 1.5	3160	1783
3	70	35	10.85	1.4	1.4	33.5 ± 1.5	0.5	49.5	2	39 ± 1.5	3750	2386
4	70	35	10.85	1.4	1.4	37 ± 1.5	0.4	45.2	2.2	43 ± 2	4580	2977
5G	70	-	10.85	1.4	1.4	41 ± 2	0.4	40.7	2.3	47 ± 2	5420	3566
3	95	50	12.60	1.6	1.4	38 ± 1.5	0.6	61.1	2.2	44.5 ± 2	4900	3168
4	95	50	12.60	1.6	1.6	42.5 ± 2	0.5	63.6	2.4	49.5 ± 2	6100	4022
3	120	60	14.20	1.6	1.4	41.5 ± 2	0.6	71.3	2.4	48.5 ± 2	6000	3976
4	120	60	14.20	1.6	1.6	46.5 ± 2	0.6	71.3	2.5	53.5 ± 2.5	7430	5060

## Ordering information

New Part number	Old Part number	Description	Sheath Colour	Stock item	EAN No. DNK	EL No.
	810200	BFOU 0.6/1kV 1X16/4 P5/P12 Cold	BLACK	-	7021528102000	-
	810201	BFOU 0.6/1kV 1X25/6 P5/P12 Cold	BLACK	-	7021528102017	-
	810203	BFOU 0.6/1kV 1X50/10 P5/P12 Cold	BLACK	-	7021528102031	-
	810204	BFOU 0.6/1kV 1X70/10 P5/P12 Cold	BLACK	-	7021528102048	-
	810205	BFOU 0.6/1kV 1X95/10 P5/P12 Cold	BLACK	-	7021528102055	-
	810206	BFOU 0.6/1kV 1X120/10 P5/P12 Cold	BLACK	-	7021528102062	-
	810207	BFOU 0.6/1kV 1X150/10 P5/P12 Cold	BLACK	-	7021528102079	-
	810208	BFOU 0.6/1kV 1X185/10 P5/P12 Cold	BLACK	-	7021528102086	-
	810209	BFOU 0.6/1kV 1X240/16 P5/P12 Cold	BLACK	-	7021528102093	-
	810210	BFOU 0.6/1kV 1X300/16 P5/P12 Cold	BLACK	-	7021528102109	-
	810215	BFOU 0.6/1kV 2X1.5/4 P5/P12 Cold	BLACK	-	7021528102154	-
	810218	BFOU 0.6/1kV 3X1.5/6 P5/P12 Cold	BLACK	-	7021528102185	-
	810219	BFOU 0.6/1kV 4X1.5/6 P5/P12 Cold	BLACK	-	7021528102192	-
	810220	BFOU 0.6/1kV 5X1.5/6 P5/P12 Cold	BLACK	-	7021528102208	-

New Part number	Old Part number	Description	Sheath Colour	Stock item	EAN No. DNK	EL No.
	810221	BFOU 0.6/1kV 7X1.5/6 P5/P12 Cold	BLACK	-	7021528102215	-
	810222	BFOU 0.6/1kV 12X1.5/10 P5/P12 Cold	BLACK	-	7021528102222	-
	810223	BFOU 0.6/1kV 19X1.5/10 P5/P12 Cold	BLACK	-	7021528102239	-
	810224	BFOU 0.6/1kV 27X1.5/16 P5/P12 Cold	BLACK	-	7021528102246	-
	810225	BFOU 0.6/1kV 37X1.5/16 P5/P12 Cold	BLACK	-	7021528102253	-
	810229	BFOU 0.6/1kV 2X2.5/6 P5/P12 Cold	BLACK	-	7021528102291	-
	810232	BFOU 0.6/1kV 3X2.5/6 P5/P12 Cold	BLACK	-	7021528102321	-
	810235	BFOU 0.6/1kV 4X2.5/6 P5/P12 Cold	BLACK	-	7021528102352	-
20115940		BFOU 0.6/1kV 7X2.5/6 P5/P12 Cold	BLACK	Yes	7021528102376	-
	810238	BFOU 0.6/1kV 12X2.5/10 P5/P12 Cold	BLACK	-	7021528102383	-
	810239	BFOU 0.6/1kV 19X2.5/16 P5/P12 Cold	BLACK	-	7021528102390	-
	810240	BFOU 0.6/1kV 27X2.5/16 P5/P12 Cold	BLACK	-	7021528102406	-
	810241	BFOU 0.6/1kV 37X2.5/25 P5/P12 Cold	BLACK	-	7021528102413	-
	Tba	BFOU 0.6/1kV 3G2.5 P5/P12 Cold	BLACK	-	-	-
	810245	BFOU 0.6/1kV 2X4/6 P5/P12 Cold	BLACK	-	7021528102451	-
	810246	BFOU 0.6/1kV 3X4/6 P5/P12 Cold	BLACK	-	7021528102468	-
	810247	BFOU 0.6/1kV 4X4/6 P5/P12 Cold	BLACK	-	7021528102475	-
20110769		BFOU 0.6/1kV 3G 4 P5/P12 Cold	BLACK	-	7021528102505	-
	810251	BFOU 0.6/1kV 2X6/6 P5/P12 Cold	BLACK	-	7021528102512	-
	810252	BFOU 0.6/1kV 3X6/6 P5/P12 Cold	BLACK	-	7021528102529	-
	810253	BFOU 0.6/1kV 4X6/6 P5/P12 Cold	BLACK	-	7021528102536	-
	Tba	BFOU 0.6/1kV 5G 6 P5/P12 Cold	BLACK	-	-	-
	810257	BFOU 0.6/1kV 2X10/10 P5/P12 Cold	BLACK	-	7021528102574	-
	810258	BFOU 0.6/1kV 3X10/10 P5/P12 Cold	BLACK	-	7021528102581	-
	810259	BFOU 0.6/1kV 4X10/10 P5/P12 Cold	BLACK	-	7021528102598	-
	Tba	BFOU 0.6/1kV 5G 10 P5/P12 Cold	BLACK	-	-	-
	810263	BFOU 0.6/1kV 2X16/16 P5/P12 Cold	BLACK	-	7021528102635	-
	810264	BFOU 0.6/1kV 3X16/16 P5/P12 Cold	BLACK	-	7021528102642	-
	810265	BFOU 0.6/1kV 4X16/16 P5/P12 Cold	BLACK	-	7021528102659	-
	810269	BFOU 0.6/1kV 2X25/16 P5/P12 Cold	BLACK	-	7021528102697	-
	810270	BFOU 0.6/1kV 3X25/16 P5/P12 Cold	BLACK	-	7021528102703	-
	810271	BFOU 0.6/1kV 4X25/16 P5/P12 Cold	BLACK	-	7021528102710	-
	810275	BFOU 0.6/1kV 2X35/16 P5/P12 Cold	BLACK	-	7021528102758	-
	810276	BFOU 0.6/1kV 3X35/16 P5/P12 Cold	BLACK	-	7021528102765	-
	810277	BFOU 0.6/1kV 4X35/16 P5/P12 Cold	BLACK	-	7021528102772	-
	Tba	BFOU 0.6/1kV 5G 35 P5/P12 Cold	BLACK	-	-	-
	810282	BFOU 0.6/1kV 3X50/25 P5/P12 Cold	BLACK	-	7021528102826	-
	810283	BFOU 0.6/1kV 4X50/25 P5/P12 Cold	BLACK	-	7021528102833	-
	Tba	BFOU 0.6/1kV 4G 50 P5/P12 Cold	BLACK	-	-	-
	Tba	BFOU 0.6/1kV 5G 50 P5/P12 Cold	BLACK	-	-	-
	810287	BFOU 0.6/1kV 2X70/35 P5/P12 Cold	BLACK	-	7021528102871	-
	810288	BFOU 0.6/1kV 3X70/35 P5/P12 Cold	BLACK	-	7021528102888	-
	810289	BFOU 0.6/1kV 4X70/35 P5/P12 Cold	BLACK	-	7021528102895	-
	Tba	BFOU 0.6/1kV 5G 70 P5/P12 Cold	BLACK	-	-	-
	810295	BFOU 0.6/1kV 3X95/50 P5/P12 Cold	BLACK	-	7021528102956	-
	810296	BFOU 0.6/1kV 4X95/50 P5/P12 Cold	BLACK	-	7021528102963	-
	810301	BFOU 0.6/1kV 3X120/60 P5/P12 Cold	BLACK	-	7021528103014	-
	810304	BFOU 0.6/1kV 4X120/60 P5/P12 Cold	BLACK	-	7021528103045	-

## 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	4	STCC	1.16	1.48	0.119	0.143	96	2240
1	25	6	STCC	0.734	0.936	0.115	0.138	127	3500
1	50	10	STCC	0.391	0.499	0.106	0.127	196	7000
1	70	10	STCC	0.27	0.344	0.101	0.121	242	9800
1	95	10	STCC	0.195	0.249	0.098	0.117	293	13300
1	120	10	STCC	0.154	0.196	0.096	0.115	339	16800
1	150	10	STCC	0.126	0.161	0.094	0.113	389	21000
1	185	10	STCC	0.1	0.128	0.092	0.111	444	25900
1	240	16	STCC	0.0762	0.0972	0.09	0.109	522	33600
1	300	16	STCC	0.0607	0.0774	0.088	0.106	601	42000
2	1.5	4	STCC	12.2	15.6	0.115	0.138	20	210
3	1.5	6	STCC	12.2	15.6	0.115	0.138	16	210
4	1.5	6	STCC	12.2	15.6	0.115	0.138	16	210
5	1.5	6	STCC	12.2	15.6	0.115	0.138	13.5	210
7	1.5	6	STCC	12.2	15.6	0.115	0.138	12	210
12	1.5	10	STCC	12.2	15.6	0.115	0.138	10	210
19	1.5	10	STCC	12.2	15.6	0.115	0.138	8.5	210
27	1.5	16	STCC	12.2	15.6	0.115	0.138	7.5	210
37	1.5	16	STCC	12.2	15.6	0.115	0.138	7	210
2	2.5	6	STCC	7.56	9.64	0.107	0.129	26	350
3	2.5	6	STCC	7.56	9.64	0.107	0.129	21	350
4	2.5	6	STCC	7.56	9.64	0.107	0.129	21	350
7	2.5	6	STCC	7.56	9.64	0.107	0.129	15.5	350
12	2.5	10	STCC	7.56	9.64	0.107	0.129	13	350
19	2.5	16	STCC	7.56	9.64	0.107	0.129	11	350
27	2.5	16	STCC	7.56	9.64	0.107	0.129	10	350
37	2.5	25	STCC	7.56	9.64	0.107	0.129	9	350
3G	2.5	-	STCC	7.56	9.64	0.107	0.129	26	350
2	4	6	STCC	4.7	5.99	0.100	0.120	34	560
3	4	6	STCC	4.7	5.99	0.100	0.120	28	560
4	4	6	STCC	4.7	5.99	0.1	0.120	28	560
3G	4	-	STCC	4.7	5.99	0.100	0.120	34	560
2	6	6	STCC	3.11	3.97	0.094	0.112	44	840
3	6	6	STCC	3.11	3.97	0.094	0.112	36	840
4	6	6	STCC	3.11	3.97	0.094	0.112	36	840
5G	6	-	STCC	3.11	3.97	0.094	0.112	36	840
2	10	10	STCC	1.84	2.35	0.088	0.105	61	1400
3	10	10	STCC	1.84	2.35	0.088	0.105	50	1400
4	10	10	STCC	1.84	2.35	0.088	0.105	50	1400
5G	10	-	STCC	1.84	2.35	0.088	0.105	50	1400
2	16	16	STCC	1.16	1.48	0.082	0.099	80	2240
3	16	16	STCC	1.16	1.48	0.082	0.099	67	2240
4	16	16	STCC	1.16	1.48	0.082	0.099	67	2240
2	25	16	STCC	0.734	0.936	0.081	0.098	108	3500
3	25	16	STCC	0.734	0.936	0.081	0.098	89	3500
4	25	16	STCC	0.734	0.936	0.081	0.098	89	3500
2	35	16	STCC	0.529	0.675	0.078	0.094	133	4900
3	35	16	STCC	0.529	0.675	0.078	0.094	110	4900
4	35	16	STCC	0.529	0.675	0.078	0.094	110	4900
5G	35	-	STCC	0.529	0.675	0.078	0.094	110	4900
3	50	25	STCC	0.391	0.499	0.078	0.093	137	7000
4	50	25	STCC	0.391	0.499	0.078	0.093	137	7000
4G	50	-	STCC	0.391	0.499	0.078	0.093	137	7000
5G	50	-	STCC	0.391	0.499	0.078	0.093	137	7000
2	70	35	STCC	0.27	0.344	0.075	0.092	206	9800
3	70	35	STCC	0.27	0.344	0.077	0.092	169	9800
4	70	35	STCC	0.27	0.344	0.077	0.092	169	9800
5G	70	-	STCC	0.27	0.344	0.077	0.092	169	9800

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
3	95	50	STCC	0.195	0.249	0.075	0.090	205	13300
4	95	50	STCC	0.195	0.249	0.075	0.090	205	13300
3	120	60	STCC	0.154	0.196	0.073	0.088	237	16800
4	120	60	STCC	0.154	0.196	0.073	0.088	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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