

## Halogen-free, mud resistant power cable RFOU 0,6/1(1,2)kV, P1/P8

Flame retardant halogen-free power cable.  
Mud resistant

# RFOU 0,6/1(1,2)kV

EPR/EPR/TCWB/EVA

NEK TS 606 CodeP1/P8



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

### Standards applied

### Application

Fixed installation for power, control and lighting in both EX (Zone 0, 1 & 2)- and safe areas, general purposes. For installation in areas exposed to MUD and drilling/cleaning fluids. Meets the MUD resistance requirement in NEK TS 606:2009.

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

### 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		PET tape
Outer sheath	U	Flame retardant, halogen-free and mud resistant thermoset compound, SHF2 (IEC 60092-360)
Marking text		E.g. "meter" "year" DRAKA 01 RFOU 0,6/1KV P1/P8 3 x 35/16 mm <sup>2</sup> IEC 60332-3-22
Manufacturing unit		DRAKA 01 = Draka Norsk Kabel,
Outer sheath colour		Black



THORNE &  
**DERRICK**  
INTERNATIONAL

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 Ed 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	2.5	5.15	1.0	1.1	9.5 ± 0.5	0.2	4.5	1.2	13 ± 0.8	360	190
1	25	4	6.45	1.2	1.1	11.5 ± 0.8	0.2	5.3	1.2	14.5 ± 0.8	490	283
1	35	6	7.65	1.2	1.1	12.5 ± 0.8	0.3	10.2	1.3	16 ± 0.8	650	413
1	50	6	9.0	1.4	1.1	14.5 ± 0.8	0.3	10.2	1.4	18.5 ± 0.8	840	534
1	70	10	10.85	1.4	1.1	16.5 ± 0.8	0.3	12.7	1.4	20.5 ± 1	1110	757
1	95	10	12.60	1.6	1.1	18.5 ± 0.8	0.3	12.7	1.5	23 ± 1	1400	973
1	120	10	14.20	1.6	1.2	20.5 ± 1	0.3	15.3	1.6	25 ± 1	1720	1231
1	150	10	15.90	1.8	1.2	22.5 ± 1	0.3	15.3	1.6	27 ± 1	2060	1507
1	185	10	17.70	2.0	1.2	24.5 ± 1	0.3	17.8	1.7	29.5 ± 1	2480	1838
1	240	16	20.15	2.2	1.2	27.5 ± 1	0.3	20.4	1.8	32.5 ± 1.5	3130	2365
1	300	16	22.60	2.4	1.2	30.5 ± 1.5	0.3	20.4	1.9	35.5 ± 1.5	3840	2959
2	1.5	4	1.6	1.0	1.1	9.5 ± 0.5	0.2	5.3	1.2	12.5 ± 0.8	270	80
3	1.5	4	1.6	1.0	1.1	10 ± 0.8	0.2	5.3	1.2	13.5 ± 0.8	295	94
4	1.5	6	1.6	1.0	1.1	11 ± 0.8	0.3	8.5	1.3	14.5 ± 0.8	380	139
5	1.5	6	1.6	1.0	1.1	12 ± 0.8	0.3	10.2	1.3	15.5 ± 0.8	440	170
7	1.5	6	1.6	1.0	1.1	12 ± 0.8	0.3	10.2	1.3	16 ± 0.8	480	198
12	1.5	10	1.6	1.0	1.1	16 ± 0.8	0.3	13.6	1.5	20 ± 1	720	301
19	1.5	10	1.6	1.0	1.2	19 ± 0.8	0.3	15.3	1.6	23 ± 1	990	415
27	1.5	10	1.6	1.0	1.2	22.5 ± 1	0.3	17.8	1.8	27 ± 1	1310	550
37	1.5	16	1.6	1.0	1.2	25 ± 1	0.3	20.4	1.9	30 ± 1.5	1670	716
3G	1.5	-	1.6	1.0	1.1	10 ± 0.8	0.2	5.3	1.2	13.5 ± 0.8	295	94
4G	1.5	-	1.6	1.0	1.1	11 ± 0.8	0.3	8.5	1.3	14.5 ± 0.8	380	139
5G	1.5	-	1.6	1.0	1.1	12 ± 0.8	0.3	10.2	1.3	15.5 ± 0.8	440	170
7G	1.5	-	1.6	1.0	1.1	12 ± 0.8	0.3	10.2	1.3	16 ± 0.8	480	197
2	2.5	4	2.0	1.0	1.1	10.5 ± 0.8	0.2	5.3	1.2	13.5 ± 0.8	320	98
3	2.5	6	2.0	1.0	1.1	11 ± 0.8	0.3	8.5	1.3	14.5 ± 0.8	390	152
4	2.5	6	2.0	1.0	1.1	12 ± 0.8	0.3	10.2	1.3	16 ± 0.8	460	192
5	2.5	6	2.0	1.0	1.1	13 ± 0.8	0.3	10.2	1.4	17 ± 0.8	530	215
7	2.5	6	2.0	1.0	1.1	13.5 ± 0.8	0.3	11.9	1.4	17.5 ± 0.8	610	278
12	2.5	10	2.0	1.0	1.2	18 ± 0.8	0.3	15.3	1.6	22 ± 1	930	425
19	2.5	10	2.0	1.0	1.2	21 ± 1	0.3	17.8	1.7	25.5 ± 1	1280	611
27	2.5	16	2.0	1.0	1.2	25 ± 1	0.3	20.4	1.9	30 ± 1.5	1720	819
37	2.5	16	2.0	1.0	1.4	28.5 ± 1	0.3	22.9	2	34 ± 1.5	2240	1074
3G	2.5	-	2.0	1.0	1.1	11 ± 0.8	0.3	8.5	1.3	14.5 ± 0.8	390	152
4G	2.5	-	2.0	1.0	1.1	12 ± 0.8	0.3	10.2	1.3	16 ± 0.8	460	192
5G	2.5	-	2.0	1.0	1.1	13 ± 0.8	0.3	10.2	1.4	17 ± 0.8	530	215
7G	2.5	-	2.0	1.0	1.1	13.5 ± 0.8	0.3	11.9	1.4	17.5 ± 0.8	610	277
2	4	6	2.55	1.0	1.1	11.5 ± 0.8	0.3	8.5	1.3	15 ± 0.8	410	157
3	4	6	2.55	1.0	1.1	12 ± 0.8	0.3	10.2	1.3	16 ± 0.8	480	210
4	4	6	2.55	1.0	1.1	13.5 ± 0.8	0.3	10.2	1.4	17 ± 0.8	560	247
5	4	6	2.55	1.0	1.1	14.5 ± 0.8	0.3	11.9	1.4	18.5 ± 0.8	660	300
3G	4	-	2.55	1.0	1.1	12 ± 0.8	0.3	10.2	1.3	16 ± 0.8	480	210
4G	4	-	2.55	1.0	1.1	13.5 ± 0.8	0.3	10.2	1.4	17 ± 0.8	560	247
5G	4	-	2.55	1.0	1.1	14.5 ± 0.8	0.3	11.9	1.4	18.5 ± 0.8	660	300
2	6	6	3.15	1.0	1.1	12.5 ± 0.8	0.3	10.2	1.3	16.5 ± 0.8	500	209
3	6	6	3.15	1.0	1.1	13.5 ± 0.8	0.3	10.2	1.4	17.5 ± 0.8	590	264
4	6	6	3.15	1.0	1.1	15 ± 0.8	0.3	11.9	1.4	18.5 ± 0.8	700	335
3G	6	-	3.15	1.0	1.1	13.5 ± 0.8	0.3	10.2	1.4	17.5 ± 0.8	590	264
4G	6	-	3.15	1.0	1.1	15 ± 0.8	0.3	11.9	1.4	18.5 ± 0.8	700	335
5G	6	-	3.15	1.0	1.1	16.5 ± 0.8	0.3	11.9	1.5	20.5 ± 1	820	390

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)
2	10	10	4.05	1.0	1.1	14.5 ± 0.8	0.3	11.9	1.4	18.5 ± 0.8	670	300
3	10	10	4.05	1.0	1.1	15.5 ± 0.8	0.3	11.9	1.4	19.5 ± 0.8	780	391
4	10	10	4.05	1.0	1.1	17 ± 0.8	0.3	13.6	1.5	21 ± 1	950	496
3G	10	-	4.05	1.0	1.1	15.5 ± 0.8	0.3	11.9	1.4	19.5 ± 0.8	780	388
4G	10	-	4.05	1.0	1.1	17 ± 0.8	0.3	13.6	1.5	21 ± 1	950	496
5G	10	-	4.05	1.0	1.2	19 ± 0.8	0.3	15.3	1.5	23 ± 1	1140	603
2	16	16	5.15	1.0	1.1	16.5 ± 0.8	0.4	18.1	1.5	21 ± 1	950	481
3	16	16	5.15	1.0	1.1	17.5 ± 0.8	0.4	18.1	1.5	22.5 ± 1	1120	626
4	16	16	5.15	1.0	1.2	20 ± 1	0.4	22.6	1.6	24.5 ± 1	1400	806
5	16	16	5.15	1.0	1.2	22 ± 1	0.3	20.4	1.6	26 ± 1	1590	930
3G	16	-	5.15	1.0	1.1	17.5 ± 0.8	0.3	13.6	1.5	22 ± 1	1060	571
4G	16	-	5.15	1.0	1.2	20 ± 1	0.3	15.3	1.6	24 ± 1	1310	734
5G	16	-	5.15	1.0	1.2	22 ± 1	0.3	15.3	1.6	26 ± 1	1540	881
2	25	16	6.45	1.2	1.2	20.5 ± 1	0.4	22.6	1.6	25.5 ± 1	1340	685
3	25	16	6.45	1.2	1.2	22 ± 1	0.3	20.4	1.6	26 ± 1	1560	894
4	25	16	6.45	1.2	1.2	24 ± 1	0.3	20.4	1.7	28.5 ± 1	1910	1125
3G	25	-	6.45	1.2	1.2	22 ± 1	0.3	15.3	1.6	26 ± 1	1510	844
4G	25	-	6.45	1.2	1.2	24 ± 1	0.3	17.8	1.7	28.5 ± 1	1890	1100
5G	25	-	6.45	1.2	1.2	26.5 ± 1	0.3	20.4	1.8	31.5 ± 1.5	2260	1356
2	35	16	7.65	1.2	1.2	23 ± 1	0.3	20.4	1.7	27.5 ± 1	1600	828
3	35	16	7.65	1.2	1.2	24.5 ± 1	0.3	20.4	1.7	29 ± 1	1930	1142
4	35	16	7.65	1.2	1.2	27 ± 1	0.3	20.4	1.8	31.5 ± 1.5	2380	1456
4G	35	-	7.65	1.2	1.2	27 ± 1	0.3	20.4	1.8	31.5 ± 1.5	2380	1456
5G	35	-	7.65	1.2	1.2	30 ± 1.5	0.3	22.9	1.9	35 ± 1.5	2870	1795
2	50	25	9.0	1.4	1.2	26.5 ± 1	0.4	31.7	1.8	31.5 ± 1.5	2190	1181
3	50	25	9.0	1.4	1.2	28.5 ± 1	0.4	31.7	1.9	34 ± 1.5	2680	1617
4	50	25	9.0	1.4	1.4	32 ± 1.5	0.4	31.7	2	37.5 ± 1.5	3320	2052
4G	50	-	9.0	1.4	1.4	32 ± 1.5	0.3	22.9	2	37 ± 1.5	3230	1966
5G	50	-	9.0	1.4	1.4	35 ± 1.5	0.4	36.2	2.1	41 ± 2	4030	2531
2	70	35	10.85	1.4	1.2	30.5 ± 1.5	0.6	50.9	1.9	36.5 ± 1.5	3040	1782
3	70	35	10.85	1.4	1.4	33 ± 1.5	0.5	49.5	2	39 ± 1.5	3730	2385
4	70	35	10.85	1.4	1.4	36.5 ± 1.5	0.5	49.5	2.2	43 ± 2	4600	3018
5	70	35	10.85	1.4	1.4	40.5 ± 2	0.4	45.2	2.3	46.5 ± 2	5440	3610
4G	70	-	10.85	1.4	1.4	36.5 ± 1.5	0.4	36.2	2.2	42.5 ± 2	4470	2888
5G	70	-	10.85	1.4	1.4	40.5 ± 2	0.4	36.2	2.3	46.5 ± 2	5360	3528
2	95	50	12.60	1.6	1.4	35 ± 1.5	0.6	61.1	2.1	41.5 ± 2	3960	2317
3	95	50	12.60	1.6	1.4	37.5 ± 1.5	0.5	56.5	2.2	43.5 ± 2	4830	3126
4	95	50	12.60	1.6	1.4	41.5 ± 2	0.5	63.6	2.4	48.5 ± 2	6020	4020
4G	95	-	12.60	1.6	1.4	41.5 ± 2	0.4	40.7	2.4	48 ± 2	5790	3796
2	120	60	14.20	1.6	1.4	38 ± 1.5	0.6	71.3	2.2	45 ± 2	4810	2891
3	120	60	14.20	1.6	1.4	41 ± 2	0.6	71.3	2.3	48 ± 2	5950	3975
4	120	60	14.20	1.6	1.6	46 ± 2	0.6	71.3	2.5	53.5 ± 2.5	7440	5100
4G	120	-	14.20	1.6	1.6	46 ± 2	0.4	45.2	2.5	52.5 ± 2.5	7120	4781
5G	120	-	14.20	1.6	1.6	51 ± 2.5	0.5	49.5	2.7	58.5 ± 2.5	8610	5909
4G	150	-	15.90	1.8	1.6	51 ± 2.5	0.5	49.5	2.7	58.5 ± 2.5	8790	5931
5G	150	-	15.90	1.8	1.8	57 ± 2.5	0.5	63.6	2.9	64.5 ± 3	10725	7445
4G	185	-	17.70	2.0	1.8	56.5 ± 2.5	0.5	56.5	2.9	64.5 ± 3	10700	7241

## Ordering information

New Part number	Old Part number	Description	Sheath Colour	Stock item	EAN No. DNK	EL No.
	800000	RFOU 0.6/1kV 1X 16/2.5 P1/P8	BLACK	-	7021528000009	-
	800001	RFOU 0.6/1kV 1X 25/4mm <sup>2</sup> P1/P8	BLACK	-	7021528000016	1044206
	800002	RFOU 0.6/1kV 1X 35/6mm <sup>2</sup> P1/P8	BLACK	-	7021528000023	1044207
	800003	RFOU 0.6/1kV 1X 50/6mm <sup>2</sup> P1/P8	BLACK	-	7021528000030	1044208
	800004	RFOU 0.6/1kV 1X 70/10mm <sup>2</sup> P1/P8	BLACK	-	7021528000047	-
	800005	RFOU 0.6/1kV 1X 95/10mm <sup>2</sup> P1/P8	BLACK	-	7021528000054	1044210

New Part number	Old Part number	Description	Sheath Colour	Stock item	EAN No. DNK	EL No.
20132989		RFOU 0.6/1kV 1X 120/10 P1/P8	BLACK	-	7021528000061	-
20133004		RFOU 0.6/1kV 1X 150/10 P1/P8	BLACK	-	7021528000078	1044211
	800008	RFOU 0.6/1kV 1X 185/10 P1/P8	BLACK	-	7021528000085	1044213
20110465		RFOU 0.6/1kV 1X 240/16 P1/P8	BLACK	-	7021528000092	1044214
20110466		RFOU 0.6/1kV 1X 300/16 P1/P8	BLACK	Yes	7021528000108	1044215
20110467		RFOU 0.6/1kV 2X 1.5/4mm <sup>2</sup> P1/P8	BLACK	Yes	7021528000153	1044220
20110469		RFOU 0.6/1kV 3X 1.5/4mm <sup>2</sup> P1/P8	BLACK	Yes	7021528000184	1044240
20110470		RFOU 0.6/1kV 4X 1.5/6mm <sup>2</sup> P1/P8	BLACK	Yes	7021528000191	1044260
20111209		RFOU 0.6/1kV 5X 1.5/6mm <sup>2</sup> P1/P8	BLACK	-	7021528000207	1044305
20110471		RFOU 0.6/1kV 7X 1.5/6mm <sup>2</sup> P1/P8	BLACK	Yes	7021528000214	1044307
20104950		RFOU 0.6/1kV 12X 1.5/10 P1/P8	BLACK	-	7021528000221	1044312
20110472		RFOU 0.6/1kV 19X 1.5/10 P1/P8	BLACK	Yes	7021528000238	1044319
	800024	RFOU 0.6/1kV 27X 1.5/10 P1/P8	BLACK	-	7021528000245	1044327
	800025	RFOU 0.6/1kV 37X 1.5/16 P1/P8	BLACK	-	7021528000252	1044337
20110468		RFOU 0.6/1kV 3G 1.5mm <sup>2</sup> P1/P8	BLACK	-	7021528000160	-
	800017	RFOU 0.6/1kV 4G 1.5mm <sup>2</sup> P1/P8	BLACK	-	7021528000177	-
	800026	RFOU 0.6/1kV 5G 1.5mm <sup>2</sup> P1/P8	BLACK	-	7021528000269	-
	800028	RFOU 0.6/1kV 7G 1.5mm <sup>2</sup> P1/P8	BLACK	-	7021528000283	-
20110473		RFOU 0.6/1kV 2X 2.5/4mm <sup>2</sup> P1/P8	BLACK	Yes	7021528000290	1044221
20110475		RFOU 0.6/1kV 3X 2.5/6mm <sup>2</sup> P1/P8	BLACK	Yes	7021528000320	1044241
20110476		RFOU 0.6/1kV 4X 2.5/6mm <sup>2</sup> P1/P8	BLACK	Yes	7021528000351	1044261
	800036	RFOU 0.6/1kV 5X 2.5/6mm <sup>2</sup> P1/P8	BLACK	-	7021528000368	1044355
	800037	RFOU 0.6/1kV 7X 2.5/6mm <sup>2</sup> P1/P8	BLACK	-	7021528000375	1044357
20109423		RFOU 0.6/1kV 12X 2.5/10 P1/P8	BLACK	-	7021528000382	1044362
20120716		RFOU 0.6/1kV 19X 2.5/10 P1/P8	BLACK	-	7021528000399	1044369
	800040	RFOU 0.6/1kV 27X 2.5/16 P1/P8	BLACK	-	7021528000405	1044377
20114663		RFOU 0.6/1kV 37X 2.5/16 P1/P8	BLACK	-	7021528000412	1044387
20110474		RFOU 0.6/1kV 3G 2.5mm <sup>2</sup> P1/P8	BLACK	Yes	7021528000306	-
	800033	RFOU 0.6/1kV 4G 2.5mm <sup>2</sup> P1/P8	BLACK	-	7021528000337	-
20114348		RFOU 0.6/1kV 5G 2.5mm <sup>2</sup> P1/P8	BLACK	-	7021528000344	-
	800044	RFOU 0.6/1kV 7G 2.5mm <sup>2</sup> P1/P8	BLACK	-	7021528000443	-
20110477		RFOU 0.6/1kV 2X 4/6mm <sup>2</sup> P1/P8	BLACK	Yes	7021528000450	1044222
20110478		RFOU 0.6/1kV 3X 4/6mm <sup>2</sup> P1/P8	BLACK	Yes	7021528000467	1044242
20110479		RFOU 0.6/1kV 4X 4/6mm <sup>2</sup> P1/P8	BLACK	-	7021528000474	1044262
	800048	RFOU 0.6/1kV 5X 4/6mm <sup>2</sup> P1/P8	BLACK	-	7021528000481	-
20110480		RFOU 0.6/1kV 3G 4mm <sup>2</sup> P1/P8	BLACK	Yes	7021528000498	-
	800043	RFOU 0.6/1kV 4G 4mm <sup>2</sup> P1/P8	BLACK	-	7021528000436	-
	800050	RFOU 0.6/1kV 5G 4mm <sup>2</sup> P1/P8	BLACK	-	7021528000504	-
20110481		RFOU 0.6/1kV 2X 6/6mm <sup>2</sup> P1/P8	BLACK	Yes	7021528000511	1044223
20110482		RFOU 0.6/1kV 3X 6/6mm <sup>2</sup> P1/P8	BLACK	Yes	7021528000528	1044243
20110483		RFOU 0.6/1kV 4X 6/6mm <sup>2</sup> P1/P8	BLACK	-	7021528000535	1044263
	800055	RFOU 0.6/1kV 3G 6mm <sup>2</sup> P1/P8	BLACK	-	7021528000559	-
20117131		RFOU 0.6/1kV 4G 6mm <sup>2</sup> P1/P8	BLACK	-	7021528000542	-
	800056	RFOU 0.6/1kV 5G 6mm <sup>2</sup> P1/P8	BLACK	-	7021528000566	-
20110484		RFOU 0.6/1kV 2X 10/10mm <sup>2</sup> P1/P8	BLACK	-	7021528000573	1044224
20110485		RFOU 0.6/1kV 3X 10/10mm <sup>2</sup> P1/P8	BLACK	Yes	7021528000580	1044244
20110486		RFOU 0.6/1kV 4X 10/10mm <sup>2</sup> P1/P8	BLACK	-	7021528000597	1044264
	800060	RFOU 0.6/1kV 3G 10mm <sup>2</sup> P1/P8	BLACK	-	7021528000603	-
	800062	RFOU 0.6/1kV 4G 10mm <sup>2</sup> P1/P8	BLACK	-	7021528000627	-
	800061	RFOU 0.6/1kV 5G 10mm <sup>2</sup> P1/P8	BLACK	-	7021528000610	-
20110487		RFOU 0.6/1kV 2X 16/16mm <sup>2</sup> P1/P8	BLACK	-	7021528000634	1044225
20110488		RFOU 0.6/1kV 3X 16/16mm <sup>2</sup> P1/P8	BLACK	Yes	7021528000641	1044245
20110489		RFOU 0.6/1kV 4X 16/16mm <sup>2</sup> P1/P8	BLACK	Yes	7021528000658	1044265
	800116	RFOU 0.6/1kV 5X 16/16mm <sup>2</sup> P1/P8	BLACK	-	7021528001167	-
	800068	RFOU 0.6/1kV 3G 16mm <sup>2</sup> P1/P8	BLACK	-	7021528000689	-
	800066	RFOU 0.6/1kV 4G 16mm <sup>2</sup> P1/P8	BLACK	-	7021528000665	-
	800067	RFOU 0.6/1kV 5G 16mm <sup>2</sup> P1/P8	BLACK	-	7021528000672	-
	800069	RFOU 0.6/1kV 2X 25/16mm <sup>2</sup> P1/P8	BLACK	-	7021528000696	1044226
20110490		RFOU 0.6/1kV 3X 25/16mm <sup>2</sup> P1/P8	BLACK	Yes	7021528000702	1044246

New Part number	Old Part number	Description	Sheath Colour	Stock item	EAN No. DNK	EL No.
20110491		RFOU 0.6/1kV 4X 25/16mm <sup>2</sup> P1/P8	BLACK	Yes	7021528000719	1044266
	800073	RFOU 0.6/1kV 3G 25mm <sup>2</sup> P1/P8	BLACK	-	7021528000733	-
	800072	RFOU 0.6/1kV 4G 25mm <sup>2</sup> P1/P8	BLACK	-	7021528000726	-
	800074	RFOU 0.6/1kV 5G 25mm <sup>2</sup> P1/P8	BLACK	-	7021528000740	-
	800075	RFOU 0.6/1kV 2X 35/16mm <sup>2</sup> P1/P8	BLACK	-	7021528000757	-
20110492		RFOU 0.6/1kV 3X 35/16mm <sup>2</sup> P1/P8	BLACK	Yes	7021528000764	1044247
20110493		RFOU 0.6/1kV 4X 35/16mm <sup>2</sup> P1/P8	BLACK	-	7021528000771	1044267
	800078	RFOU 0.6/1kV 4G 35mm <sup>2</sup> P1/P8	BLACK	-	7021528000788	-
	800079	RFOU 0.6/1kV 5G 35mm <sup>2</sup> P1/P8	BLACK	-	7021528000795	-
	800081	RFOU 0.6/1kV 2X 50/25mm <sup>2</sup> P1/P8	BLACK	-	7021528000818	-
20110494		RFOU 0.6/1kV 3X 50/25mm <sup>2</sup> P1/P8	BLACK	Yes	7021528000825	1044248
20110495		RFOU 0.6/1kV 4X 50/25mm <sup>2</sup> P1/P8	BLACK	-	7021528000832	1044268
	800084	RFOU 0.6/1kV 4G 50mm <sup>2</sup> P1/P8	BLACK	-	7021528000849	-
	800085	RFOU 0.6/1kV 5G 50mm <sup>2</sup> P1/P8	BLACK	-	7021528000856	-
	800087	RFOU 0.6/1kV 2X 70/35mm <sup>2</sup> P1/P8	BLACK	-	7021528000870	-
20109424		RFOU 0.6/1kV 3X 70/35mm <sup>2</sup> P1/P8	BLACK	Yes	7021528000887	1044249
	800089	RFOU 0.6/1kV 4X 70/35mm <sup>2</sup> P1/P8	BLACK	-	7021528000894	1044269
	800092	RFOU 0.6/1kV 5X 70/35mm <sup>2</sup> P1/P8	BLACK	-	7021528000924	-
	800090	RFOU 0.6/1kV 4G 70mm <sup>2</sup> P1/P8	BLACK	-	7021528000900	-
	800091	RFOU 0.6/1kV 5G 70mm <sup>2</sup> P1/P8	BLACK	-	7021528000917	-
	800094	RFOU 0.6/1kV 2X 95/50mm <sup>2</sup> P1/P8	BLACK	-	7021528000948	-
20109426		RFOU 0.6/1kV 3X 95/50mm <sup>2</sup> P1/P8	BLACK	Yes	7021528000955	1044250
20109427		RFOU 0.6/1kV 4X 95/50mm <sup>2</sup> P1/P8	BLACK	Yes	7021528000962	1044270
	800097	RFOU 0.6/1kV 4G 95mm <sup>2</sup> P1/P8	BLACK	-	7021528000979	-
20109428		RFOU 0.6/1kV 2X 120/60 P1/P8	BLACK	-	7021528001006	-
20109429		RFOU 0.6/1kV 3X 120/60 P1/P8	BLACK	Yes	7021528001013	1044251
	800105	RFOU 0.6/1kV 4X 120/60 P1/P8	BLACK	-	7021528001051	-
	800106	RFOU 0.6/1kV 4G 120mm <sup>2</sup> P1/P8	BLACK	-	7021528001068	-
	800099	RFOU 0.6/1kV 5G 120mm <sup>2</sup> P1/P8	BLACK	-	7021528000993	-
20114321		RFOU 0.6/1kV 4G 150mm <sup>2</sup> P1/P8	BLACK	-	7021528001082	-
20132887		RFOU 0.6/1kV 5G 150mm <sup>2</sup> P1/P8	BLACK	-	7021528001150	-
	800110	RFOU 0.6/1kV 4G 185mm <sup>2</sup> P1/P8	BLACK	-	7021528001105	-

## 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	0.116	0.140	96	2240
1	25	4	STCC	0.734	0.936	0.110	0.132	127	3500
1	35	6	STCC	0.529	0.675	0.106	0.128	157	4900
1	50	6	STCC	0.391	0.499	0.104	0.125	196	7000
1	70	10	STCC	0.27	0.344	0.099	0.119	242	9800
1	95	10	STCC	0.195	0.249	0.097	0.116	293	13300
1	120	10	STCC	0.154	0.196	0.094	0.113	339	16800
1	150	10	STCC	0.126	0.161	0.092	0.111	389	21000
1	185	10	STCC	0.1	0.128	0.091	0.109	444	25900
1	240	16	STCC	0.0762	0.0972	0.089	0.107	522	33600
1	300	16	STCC	0.0607	0.0774	0.087	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

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
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
3G	1.5	-	STCC	12.2	15.6	0.110	0.132	20	210
4G	1.5	-	STCC	12.2	15.6	0.110	0.132	16	210
5G	1.5	-	STCC	12.2	15.6	0.110	0.132	16	210
7G	1.5	-	STCC	12.2	15.6	0.110	0.132	12.5	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
4G	2.5	-	STCC	7.56	9.64	0.103	0.123	21	350
5G	2.5	-	STCC	7.56	9.64	0.103	0.123	21	350
7G	2.5	-	STCC	7.56	9.64	0.103	0.123	16.5	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
5G	4	-	STCC	4.7	5.99	0.096	0.115	28	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
3G	10	-	STCC	1.84	2.35	0.084	0.101	61	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
5	16	16	STCC	1.16	1.48	0.080	0.096	56	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
3G	25	-	STCC	0.734	0.936	0.079	0.095	108	3500
4G	25	-	STCC	0.734	0.936	0.079	0.095	89	3500
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



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	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
2	50	25	STCC	0.391	0.499	0.076	0.092	167	7000
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
5	70	35	STCC	0.27	0.344	0.074	0.088	141.5	9800
4G	70	-	STCC	0.27	0.344	0.074	0.088	169	9800
5G	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
4G	120	-	STCC	0.154	0.196	0.072	0.086	237	16800
5G	120	-	STCC	0.154	0.196	0.072	0.086	237	16800
4G	150	-	STCC	0.126	0.161	0.072	0.087	272	21000
5G	150	-	STCC	0.126	0.161	0.072	0.087	272	21000
4G	185	-	STCC	0.1	0.128	0.072	0.086	311	25900

### 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>	-20°C



**THORNE &  
DERRICK  
INTERNATIONAL**

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