

Halogen-free, mud resistant, fire resistant power cable, BFOU 0,6/1(1,2)kV, P5/P12

Fire resistant, flame retardant halogen-free power cable. Mud resistant

BFOU 0,6/1(1,2)kV

MGT/EPR/EPR/TCWB/EVA

NEK TS 606 CodeP5/P12



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, emergency and critical systems where requirement for fire resistance exists. 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 60331-1, -2, -21 | - Fire Resistant |
| 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	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		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 BFOU 0,6/1kV P5/P12 3 x 25/16 mm ² FLEX - FLAME IEC 60331-1*) or IEC 60331-2*) IEC 60331-21**)
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
 **) IEC 60331-21 also at enhanced temperature 1000°C for 180 minutes



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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 Ed 5.0 2010-08

Range and dimensions

Number of elements	Cross section core, mm ²	Electrical Cross section braid, mm ²	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 ²	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 ± 0.8	370	198
1	25	6	6.45	1.2	1.1	11.5 ± 0.8	0.3	8.5	1.3	15.5 ± 0.8	530	314
1	35	6	7.65	1.2	1.1	13 ± 0.8	0.3	10.2	1.3	16.5 ± 0.8	660	413
1	50	10	9.0	1.4	1.1	15 ± 0.8	0.3	12.7	1.4	18.5 ± 0.8	870	559
1	70	10	10.85	1.4	1.1	16.5 ± 0.8	0.3	12.7	1.4	20.5 ± 1	1120	756
1	95	10	12.60	1.6	1.1	18.5 ± 0.8	0.3	15.3	1.5	23 ± 1	1430	996
1	120	10	14.20	1.6	1.2	20.5 ± 1	0.3	15.3	1.6	25 ± 1	1730	1231
1	150	10	15.90	1.8	1.2	23 ± 1	0.3	17.8	1.7	27.5 ± 1	2120	1535
1	185	10	17.70	2.0	1.2	25 ± 1	0.3	17.8	1.7	29.5 ± 1	2500	1839
1	240	16	20.15	2.2	1.2	28 ± 1	0.3	20.4	1.8	33 ± 1.5	3150	2365
1	300	16	22.60	2.4	1.2	30.5 ± 1.5	0.3	22.9	1.9	36 ± 1.5	3890	2984
2	1.5	4	1.6	1.0	1.1	10 ± 0.8	0.2	5.3	1.2	13 ± 0.8	285	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	410	156
5	1.5	6	1.6	1.0	1.1	13 ± 0.8	0.3	10.2	1.4	16.5 ± 0.8	480	170
7	1.5	6	1.6	1.0	1.1	13 ± 0.8	0.3	11.9	1.4	17 ± 0.8	540	215
12	1.5	10	1.6	1.0	1.2	17 ± 0.8	0.3	15.3	1.6	21.5 ± 1	800	318
19	1.5	10	1.6	1.0	1.2	20.5 ± 1	0.3	17.8	1.7	25 ± 1	1090	440
27	1.5	16	1.6	1.0	1.2	24 ± 1	0.3	20.4	1.9	29 ± 1	1440	577
32	1.5	16	1.6	1.0	1.4	26.5 ± 1	0.3	22.9	2	31.5 ± 1.5	1740	671
37	1.5	16	1.6	1.0	1.4	27.5 ± 1	0.3	22.9	2	32.5 ± 1.5	1860	741
3G	1.5	-	1.6	1.0	1.1	10.5 ± 0.8	0.3	8.5	1.3	14.5 ± 0.8	360	125
4G	1.5	-	1.6	1.0	1.1	11.5 ± 0.8	0.3	10.2	1.3	15.5 ± 0.8	410	156
5G	1.5	-	1.6	1.0	1.1	13 ± 0.8	0.3	10.2	1.4	16.5 ± 0.8	480	170
2	2.5	6	2.0	1.0	1.1	11 ± 0.8	0.3	8.5	1.3	14.5 ± 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 ± 0.8	420	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
5	2.5	6	2.0	1.0	1.1	14 ± 0.8	0.3	11.9	1.4	18 ± 0.8	570	231
7	2.5	6	2.0	1.0	1.1	14 ± 0.8	0.3	11.9	1.4	18 ± 0.8	630	277
12	2.5	10	2.0	1.0	1.2	19 ± 0.8	0.3	17.8	1.6	23 ± 1	990	450
19	2.5	16	2.0	1.0	1.2	22.5 ± 1	0.3	20.4	1.8	27 ± 1	1370	636
27	2.5	16	2.0	1.0	1.4	27 ± 1	0.3	22.9	2	32 ± 1.5	1860	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	2510	1204

Number of elements	Cross section core, mm ²	Electrical Cross section braid, mm ²	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 ²	Thickness Outer Sheath, mm	Diameter outer sheath, mm	Weight of Cable Approx. (Kg/Km)	Copper content Approx. (kg/km)
3G	2.5	-	2.0	1.0	1.1	11.5 ± 0.8	0.3	10.2	1.3	15 ± 0.8	420	169
4G	2.5	-	2.0	1.0	1.1	12.5 ± 0.8	0.3	10.2	1.3	16.5 ± 0.8	480	192
5G	2.5	-	2.0	1.0	1.1	14 ± 0.8	0.3	11.9	1.4	18 ± 0.8	570	231
7G	2.5	-	2.0	1.0	1.1	14 ± 0.8	0.3	11.9	1.4	18 ± 0.8	630	277
8G	2.5	-	2.0	1.0	1.1	19.5 ± 0.8	0.3	15.3	1.5	23.5 ± 1	790	333
2	4	6	2.55	1.0	1.1	12 ± 0.8	0.3	10.2	1.3	15.5 ± 0.8	450	173
3	4	6	2.55	1.0	1.1	13 ± 0.8	0.3	10.2	1.3	16.5 ± 0.8	510	210
4	4	6	2.55	1.0	1.1	14 ± 0.8	0.3	11.9	1.4	18 ± 0.8	610	263
5	4	6	2.55	1.0	1.1	15.5 ± 0.8	0.3	11.9	1.4	19.5 ± 0.8	690	300
3G	4	-	2.55	1.0	1.1	13 ± 0.8	0.3	10.2	1.3	16.5 ± 0.8	510	210
4G	4	-	2.55	1.0	1.1	14 ± 0.8	0.3	11.9	1.4	18 ± 0.8	610	263
5G	4	-	2.55	1.0	1.1	15.5 ± 0.8	0.3	11.9	1.4	19.5 ± 0.8	690	300
2	6	6	3.15	1.0	1.1	13 ± 0.8	0.3	10.2	1.4	17 ± 0.8	530	209
3	6	6	3.15	1.0	1.1	14 ± 0.8	0.3	11.9	1.4	18 ± 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	720	335
3G	6	-	3.15	1.0	1.1	14 ± 0.8	0.3	11.9	1.4	18 ± 0.8	630	281
4G	6	-	3.15	1.0	1.1	15.5 ± 0.8	0.3	11.9	1.4	19.5 ± 0.8	720	335
5G	6	-	3.15	1.0	1.1	17 ± 0.8	0.3	13.6	1.5	21.5 ± 1	880	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 ± 1	810	390
4	10	10	4.05	1.0	1.1	18 ± 0.8	0.3	13.6	1.5	22 ± 1	970	496
3G	10	-	4.05	1.0	1.1	16 ± 0.8	0.3	11.9	1.5	20 ± 1	810	388
4G	10	-	4.05	1.0	1.1	18 ± 0.8	0.3	13.6	1.5	22 ± 1	970	496
5G	10	-	4.05	1.0	1.2	20 ± 1	0.3	15.3	1.6	24 ± 1	1180	603
2	16	16	5.15	1.0	1.1	17.5 ± 0.8	0.5	21.2	1.5	22 ± 1	990	501
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	20.5 ± 1	0.4	22.6	1.6	25.5 ± 1	1410	806
5	16	16	5.15	1.0	1.2	23 ± 1	0.3	20.4	1.7	27.5 ± 1	1640	930
3G	16	-	5.15	1.0	1.1	18.5 ± 0.8	0.3	15.3	1.5	22.5 ± 1	1090	588
4G	16	-	5.15	1.0	1.2	20.5 ± 1	0.3	15.3	1.6	25 ± 1	1330	734
5G	16	-	5.15	1.0	1.2	23 ± 1	0.3	17.8	1.7	27.5 ± 1	1610	905
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 ± 1	1600	894
4	25	16	6.45	1.2	1.2	25 ± 1	0.3	20.4	1.8	29.5 ± 1	1960	1125
3G	25	-	6.45	1.2	1.2	22.5 ± 1	0.3	17.8	1.7	27 ± 1	1580	869
4G	25	-	6.45	1.2	1.2	25 ± 1	0.3	17.8	1.8	29.5 ± 1	1930	1100
5G	25	-	6.45	1.2	1.2	27.5 ± 1	0.3	20.4	1.8	32 ± 1.5	2290	1356
2	35	16	7.65	1.2	1.2	23.5 ± 1	0.3	20.4	1.7	28 ± 1	1640	828
3	35	16	7.65	1.2	1.2	25 ± 1	0.3	20.4	1.8	30 ± 1.5	2000	1142
4	35	16	7.65	1.2	1.2	28 ± 1	0.3	20.4	1.9	33 ± 1.5	2460	1456
3G	35	-	7.65	1.2	1.2	25 ± 1	0.3	17.8	1.8	30 ± 1.5	1980	1117
4G	35	-	7.65	1.2	1.2	28 ± 1	0.3	20.4	1.9	33 ± 1.5	2460	1456
5G	35	-	7.65	1.2	1.4	31 ± 1.5	0.3	22.9	2	36.5 ± 1.5	3000	1795

Number of elements	Cross section core, mm ²	Electrical Cross section braid, mm ²	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 ²	Thickness Outer Sheath, mm	Diameter outer sheath, mm	Weight of Cable Approx. (Kg/Km)	Copper content Approx. (kg/km)
2	50	25	9.0	1.4	1.4	27.5 ± 1	0.4	31.7	1.8	32.5 ± 1.5	2270	1181
3	50	25	9.0	1.4	1.2	29 ± 1	0.4	31.7	1.9	34.5 ± 1.5	2730	1617
4	50	25	9.0	1.4	1.4	32.5 ± 1.5	0.4	31.7	2	38 ± 1.5	3370	2052
3G	50	-	9.0	1.4	1.2	29 ± 1	0.3	22.9	1.9	34 ± 1.5	2640	1531
4G	50	-	9.0	1.4	1.4	32.5 ± 1.5	0.3	22.9	2	38 ± 1.5	3280	1968
5G	50	-	9.0	1.4	1.4	36 ± 1.5	0.4	36.2	2.2	42 ± 2	4110	2531
2	70	35	10.85	1.4	1.6	31.5 ± 1.5	0.6	50.9	2	38 ± 1.5	3190	1783
3	70	35	10.85	1.4	1.4	33.5 ± 1.5	0.5	49.5	2	39 ± 1.5	3760	2386
4	70	35	10.85	1.4	1.4	37 ± 1.5	0.4	45.2	2.2	43 ± 2	4600	2977
3G	70	-	10.85	1.4	1.4	33.5 ± 1.5	0.3	25.4	2	38.5 ± 1.5	3520	2150
4G	70	-	10.85	1.4	1.4	37 ± 1.5	0.4	36.2	2.2	43 ± 2	4510	2888
5G	70	-	10.85	1.4	1.4	41 ± 2	0.4	40.7	2.3	47 ± 2	5440	3566
3	95	50	12.60	1.6	1.4	38 ± 1.5	0.6	61.1	2.2	44.5 ± 2	4930	3169
4	95	50	12.60	1.6	1.6	42.5 ± 2	0.5	63.6	2.4	49.5 ± 2	6130	4022
3G	95	-	12.60	1.6	1.4	38 ± 1.5	0.4	36.2	2.2	44 ± 2	4640	2901
4G	95	-	12.60	1.6	1.6	42.5 ± 2	0.4	40.7	2.4	49 ± 2	5890	3794
5G	95	-	12.60	1.6	1.6	47 ± 2	0.4	45.2	2.6	54 ± 2.5	7130	4688
3	120	60	14.20	1.6	1.4	41.5 ± 2	0.6	71.3	2.4	48.5 ± 2	6020	3976
4	120	60	14.20	1.6	1.6	46.5 ± 2	0.6	71.3	2.5	53.5 ± 2.5	7460	5060
4G	120	-	14.20	1.6	1.6	46.5 ± 2	0.4	45.2	2.5	53 ± 2.5	7170	4781
4G	150	-	15.90	1.8	1.6	52 ± 2.5	0.5	49.5	2.7	59.5 ± 2.5	8900	5943
5G	150	-	15.90	1.8	1.8	58 ± 2.5	0.5	63.6	2.9	66 ± 3	10900	7450
4G	185	-	17.70	2.0	1.8	57.5 ± 2.5	0.5	56.5	2.9	65.5 ± 3	10830	7251

Ordering information

New Part number	Old Part number	Description	Sheath Colour	Stock item	EAN No. DNK	EL No.
20120052		BFOU 0.6/1kV 1X 16/4mm ² P5/P12	BLACK	-	7021528002003	1043605
20110496		BFOU 0.6/1kV 1X 25/6mm ² P5/P12	BLACK	-	7021528002010	-
	800202	BFOU 0.6/1kV 1X 35/6mm ² P5/P12	BLACK	-	7021528002027	-
20110497		BFOU 0.6/1kV 1X 50/10 P5/P12	BLACK	-	7021528002034	1043608
20110498		BFOU 0.6/1kV 1X 70/10 P5/P12	BLACK	-	7021528002041	1043609
20110499		BFOU 0.6/1kV 1X 95/10 P5/P12	BLACK	Yes	7021528002058	1043610
20110500		BFOU 0.6/1kV 1X 120/10 P5/P12	BLACK	-	7021528002065	1043611
20110501		BFOU 0.6/1kV 1X 150/10 P5/P12	BLACK	Yes	7021528002072	1043612
20110502		BFOU 0.6/1kV 1X 185/10 P5/P12	BLACK	Yes	7021528002089	1043613
20110503		BFOU 0.6/1kV 1X 240/16 P5/P12	BLACK	Yes	7021528002096	-
20109432		BFOU 0.6/1kV 1X 300/16 P5/P12	BLACK	Yes	7021528002102	1043615
20110504		BFOU 0.6/1kV 2X 1.5/4 P5/P12	BLACK	Yes	7021528002157	1043620
20110507		BFOU 0.6/1kV 3X 1.5/6 P5/P12	BLACK	Yes	7021528002188	1043640
20110508		BFOU 0.6/1kV 4X 1.5/6 P5/P12	BLACK	Yes	7021528002195	1043660
20110509		BFOU 0.6/1kV 5X 1.5/6 P5/P12	BLACK	-	7021528002201	1043705
20110510		BFOU 0.6/1kV 7X 1.5/6 P5/P12	BLACK	Yes	7021528002218	1043707
20109433		BFOU 0.6/1kV 12X 1.5/10 P5/P12	BLACK	Yes	7021528002225	1043712
20110511		BFOU 0.6/1kV 19X 1.5/10 P5/P12	BLACK	Yes	7021528002232	1043719
20110512		BFOU 0.6/1kV 27X 1.5/16 P5/P12	BLACK	-	7021528002249	1043727
	800227	BFOU 0.6/1kV 32X 1.5/16 P5/P12	BLACK	-	7021528002270	-

New Part number	Old Part number	Description	Sheath Colour	Stock item	EAN No. DNK	EL No.
20109434		BFOU 0.6/1kV 37X 1.5/16 P5/P12	BLACK	-	7021528002256	1043737
20110505		BFOU 0.6/1kV 3G 1.5mm ² P5/P12	BLACK	-	7021528002164	1043619
20110506		BFOU 0.6/1kV 4G 1.5mm ² P5/P12	BLACK	-	7021528002171	-
20110513		BFOU 0.6/1kV 5G 1.5mm ² P5/P12	BLACK	-	7021528002263	-
20110515		BFOU 0.6/1kV 2X 2.5/6 P5/P12	BLACK	Yes	7021528002294	1043621
20110517		BFOU 0.6/1kV 3X 2.5/6 P5/P12	BLACK	Yes	7021528002324	1043641
20110519		BFOU 0.6/1kV 4X 2.5/6 P5/P12	BLACK	Yes	7021528002355	1043661
20121182		BFOU 0.6/1kV 5X 2.5/6 P5/P12	BLACK	-	7021528002348	-
20110520		BFOU 0.6/1kV 7X 2.5/6 P5/P12	BLACK	Yes	7021528002379	1043757
20110521		BFOU 0.6/1kV 12X 2.5/10 P5/P12	BLACK	-	7021528002386	1043762
20110522		BFOU 0.6/1kV 19X 2.5/16 P5/P12	BLACK	-	7021528002393	1043769
20112294		BFOU 0.6/1kV 27X 2.5/16 P5/P12	BLACK	-	7021528002409	1043777
20109435		BFOU 0.6/1kV 37X 2.5/25 P5/P12	BLACK	-	7021528002416	1043787
20110516		BFOU 0.6/1kV 3G 2.5mm ² P5/P12	BLACK	Yes	7021528002300	1043639
20110518		BFOU 0.6/1kV 4G 2.5mm ² P5/P12	BLACK	Yes	7021528002331	1043659
20110523		BFOU 0.6/1kV 5G 2.5mm ² P5/P12	BLACK	-	7021528002423	1043755
20110514		BFOU 0.6/1kV 7G 2.5mm ² P5/P12	BLACK	-	7021528002287	-
	800236	BFOU 0.6/1kV 8G 2.5mm ² P5/P12	BLACK	-	7021528002362	-
20110526		BFOU 0.6/1kV 2X 4/6mm ² P5/P12	BLACK	Yes	7021528002454	1043622
20110527		BFOU 0.6/1kV 3X 4/6mm ² P5/P12	BLACK	Yes	7021528002461	1043642
20110528		BFOU 0.6/1kV 4X 4/6mm ² P5/P12	BLACK	Yes	7021528002478	1043662
20110529		BFOU 0.6/1kV 5X 4/6mm ² P5/P12	BLACK	-	7021528002485	-
20110529		BFOU 0.6/1kV 3G 4mm ² P5/P12	BLACK	-	7021528002508	-
20110524		BFOU 0.6/1kV 4G 4mm ² P5/P12	BLACK	Yes	7021528002430	-
20110525		BFOU 0.6/1kV 5G 4mm ² P5/P12	BLACK	-	7021528002447	-
20110530		BFOU 0.6/1kV 2X 6/6mm ² P5/P12	BLACK	Yes	7021528002515	1043623
20110531		BFOU 0.6/1kV 3X 6/6mm ² P5/P12	BLACK	Yes	7021528002522	1043643
20110532		BFOU 0.6/1kV 4X 6/6mm ² P5/P12	BLACK	Yes	7021528002539	1043663
20110533		BFOU 0.6/1kV 3G 6mm ² P5/P12	BLACK	Yes	7021528002546	-
20110534		BFOU 0.6/1kV 4G 6mm ² P5/P12	BLACK	-	7021528002553	-
20110535		BFOU 0.6/1kV 5G 6mm ² P5/P12	BLACK	-	7021528002560	-
20110536		BFOU 0.6/1kV 2X 10/10 P5/P12	BLACK	Yes	7021528002577	1043624
20110537		BFOU 0.6/1kV 3X 10/10 P5/P12	BLACK	Yes	7021528002584	1043644
20110538		BFOU 0.6/1kV 4X 10/10 P5/P12	BLACK	Yes	7021528002591	1043664
20110539		BFOU 0.6/1kV 3G 10mm ² P5/P12	BLACK	-	7021528002607	-
20110540		BFOU 0.6/1kV 4G 10mm ² P5/P12	BLACK	-	7021528002614	-
20110541		BFOU 0.6/1kV 5G 10mm ² P5/P12	BLACK	-	7021528002621	-
20109436		BFOU 0.6/1kV 2X 16/16 P5/P12	BLACK	Yes	7021528002638	1043625
20110542		BFOU 0.6/1kV 3X 16/16 P5/P12	BLACK	Yes	7021528002645	1043645
20110543		BFOU 0.6/1kV 4X 16/16 P5/P12	BLACK	Yes	7021528002652	1043665
	800316	BFOU 0.6/1kV 5X 16/16 P5/P12	BLACK	-	7021528003161	-
20110544		BFOU 0.6/1kV 3G 16mm ² P5/P12	BLACK	-	7021528002669	-
20110546		BFOU 0.6/1kV 4G 16mm ² P5/P12	BLACK	-	7021528002683	-
20110545		BFOU 0.6/1kV 5G 16mm ² P5/P12	BLACK	-	7021528002676	-
20110547		BFOU 0.6/1kV 2X 25/16 P5/P12	BLACK	-	7021528002690	1043626
20110548		BFOU 0.6/1kV 3X 25/16 P5/P12	BLACK	Yes	7021528002706	1043646
20110549		BFOU 0.6/1kV 4X 25/16 P5/P12	BLACK	Yes	7021528002713	1043666
	800274	BFOU 0.6/1kV 3G 25mm ² P5/P12	BLACK	-	7021528002744	-
	800272	BFOU 0.6/1kV 4G 25mm ² P5/P12	BLACK	-	7021528002720	-
	800273	BFOU 0.6/1kV 5G 25mm ² P5/P12	BLACK	-	7021528002737	-
20110762		BFOU 0.6/1kV 2X 35/16 P5/P12	BLACK	-	7021528002751	1043627
20110550		BFOU 0.6/1kV 3X 35/16 P5/P12	BLACK	Yes	7021528002768	1043647
20110551		BFOU 0.6/1kV 4X 35/16 P5/P12	BLACK	Yes	7021528002775	1043667
	800278	BFOU 0.6/1kV 3G 35mm ² P5/P12	BLACK	-	7021528002782	-
	800279	BFOU 0.6/1kV 4G 35mm ² P5/P12	BLACK	-	7021528002799	-
20110763		BFOU 0.6/1kV 5G 35mm ² P5/P12	BLACK	-	7021528002805	-

New Part number	Old Part number	Description	Sheath Colour	Stock item	EAN No. DNK	EL No.
20121221		BFOU 0.6/1kV 2X 50/25 P5/P12	BLACK	-	7021528002812	-
20110552		BFOU 0.6/1kV 3X 50/25 P5/P12	BLACK	Yes	7021528002829	1043648
20110553		BFOU 0.6/1kV 4X 50/25 P5/P12	BLACK	-	7021528002836	1043668
	800286	BFOU 0.6/1kV 3G 50mm ² P5/P12	BLACK	-	7021528002867	-
	800285	BFOU 0.6/1kV 4G 50mm ² P5/P12	BLACK	-	7021528002850	-
	800284	BFOU 0.6/1kV 5G 50mm ² P5/P12	BLACK	-	7021528002843	-
20110554		BFOU 0.6/1kV 2X 70/35 P5/P12	BLACK	-	7021528002874	1043629
20109437		BFOU 0.6/1kV 3X 70/35 P5/P12	BLACK	Yes	7021528002881	1043649
20109438		BFOU 0.6/1kV 4X 70/35 P5/P12	BLACK	-	7021528002898	1043669
20109439		BFOU 0.6/1kV 5X 70/35 P5/P12	BLACK	-	7021528002935	-
	800292	BFOU 0.6/1kV 3G 70mm ² P5/P12	BLACK	-	7021528002928	-
	800290	BFOU 0.6/1kV 4G 70mm ² P5/P12	BLACK	-	7021528002904	-
	800291	BFOU 0.6/1kV 5G 70mm ² P5/P12	BLACK	-	7021528002911	-
20115558		BFOU 0.6/1kV 2X 95/50 P5/P12	BLACK	-	7021528002942	-
20109440		BFOU 0.6/1kV 3X 95/50 P5/P12	BLACK	Yes	7021528002959	1043650
20109441		BFOU 0.6/1kV 4X 95/50 P5/P12	BLACK	Yes	7021528002966	1043670
	800299	BFOU 0.6/1kV 3G 95mm ² P5/P12	BLACK	-	7021528002997	-
20110764		BFOU 0.6/1kV 4G 95mm ² P5/P12	BLACK	-	7021528002973	-
20109442		BFOU 0.6/1kV 5G 95mm ² P5/P12	BLACK	-	7021528002980	-
20109443		BFOU 0.6/1kV 3X 120/60 P5/P12	BLACK	Yes	7021528003017	1043651
20120715		BFOU 0.6/1kV 4X 120/60 P5/P12	BLACK	-	7021528003048	-
	800306	BFOU 0.6/1kV 4G 120mm ² P5/P12	BLACK	-	7021528003062	-
	800307	BFOU 0.6/1kV 4G 150mm ² P5/P12	BLACK	-	7021528003079	-
20132888		BFOU 0.6/1kV 5G 150mm ² P5/P12	BLACK	-	7021528003185	-
20121096		BFOU 0.6/1kV 4G 185mm ² P5/P12	BLACK	-	7021528003109	-

Electrical values power cables

Number of elements	Cross section core, mm ²	Electrical Cross section braid, mm ²	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	0.118	0.142	96	2240
1	25	6	STCC	0.734	0.936	0.114	0.136	127	3500
1	35	6	STCC	0.529	0.675	0.108	0.129	157	4900
1	50	10	STCC	0.391	0.499	0.105	0.126	196	7000
1	70	10	STCC	0.27	0.344	0.1	0.12	242	9800
1	95	10	STCC	0.195	0.249	0.097	0.116	293	13300
1	120	10	STCC	0.154	0.196	0.095	0.114	339	16800
1	150	10	STCC	0.126	0.161	0.094	0.112	389	21000
1	185	10	STCC	0.1	0.128	0.092	0.11	444	25900
1	240	16	STCC	0.0762	0.0972	0.09	0.108	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
32	1.5	16	STCC	12.2	15.6	0.115	0.138	7	210
37	1.5	16	STCC	12.2	15.6	0.115	0.138	7	210
3G	1.5	-	STCC	12.2	15.6	0.115	0.138	20	210
4G	1.5	-	STCC	12.2	15.6	0.115	0.138	16	210
5G	1.5	-	STCC	12.2	15.6	0.115	0.138	16	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

Number of elements	Cross section core, mm ²	Electrical Cross section braid, mm ²	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
5	2.5	6	STCC	7.56	9.64	0.107	0.129	17.5	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
4G	2.5	-	STCC	7.56	9.64	0.107	0.129	21	350
5G	2.5	-	STCC	7.56	9.64	0.107	0.129	21	350
7G	2.5	-	STCC	7.56	9.64	0.107	0.129	16.5	350
8G	2.5	-	STCC	7.56	9.64	0.107	0.129	15.5	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
5	4	6	STCC	4.7	5.99	0.1	0.120	23.5	560
3G	4	-	STCC	4.7	5.99	0.1	0.120	34	560
4G	4	-	STCC	4.7	5.99	0.1	0.120	28	560
5G	4	-	STCC	4.7	5.99	0.1	0.120	28	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
3G	6	-	STCC	3.11	3.97	0.094	0.112	44	840
4G	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
3G	10	-	STCC	1.84	2.35	0.088	0.105	61	1400
4G	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
5	16	16	STCC	1.16	1.48	0.082	0.099	56	2240
3G	16	-	STCC	1.16	1.48	0.082	0.099	80	2240
4G	16	-	STCC	1.16	1.48	0.082	0.099	67	2240
5G	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
3G	25	-	STCC	0.734	0.936	0.081	0.098	108	3500
4G	25	-	STCC	0.734	0.936	0.081	0.098	89	3500
5G	25	-	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
3G	35	-	STCC	0.529	0.675	0.078	0.094	133	4900
4G	35	-	STCC	0.529	0.675	0.078	0.094	110	4900
5G	35	-	STCC	0.529	0.675	0.078	0.094	110	4900
2	50	25	STCC	0.391	0.499	0.078	0.094	167	7000
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
3G	50	-	STCC	0.391	0.499	0.078	0.093	167	7000
4G	50	-	STCC	0.391	0.499	0.078	0.093	137	7000

Number of elements	Cross section core, mm ²	Electrical Cross section braid, mm ²	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	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
3G	70	-	STCC	0.27	0.344	0.075	0.092	206	9800
4G	70	-	STCC	0.27	0.344	0.075	0.092	169	9800
5G	70	-	STCC	0.27	0.344	0.075	0.092	169	9800
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
3G	95	-	STCC	0.195	0.249	0.075	0.090	249	13300
4G	95	-	STCC	0.195	0.249	0.075	0.090	205	13300
5G	95	-	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
4G	120	-	STCC	0.154	0.196	0.073	0.088	237	16800
4G	150	-	STCC	0.126	0.161	0.073	0.088	272	21000
4G	185	-	STCC	0.1	0.128	0.073	0.088	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 ²	-20°C



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