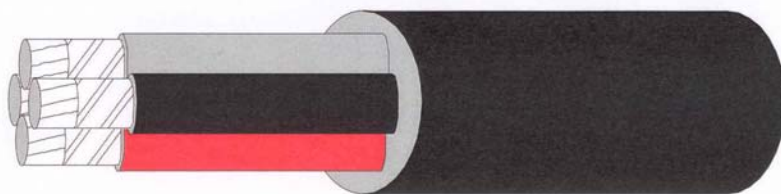




## BU 0,6/1kV P17, Power cable, Unarmoured

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



### BU 0,6/1kV

MGT/EPR/EVA

NEK 606 CodeP17

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

### Application

Fixed installation for power, control and lightning in safe areas, emergency and critical systems where requirement for fire resistance exists. Meets the mud resistant requirements in NEK 606.

### Standards applied

IEC 60092-353	- Design
IEC 60228 class 2	- Conductor
IEC 60092-351	- Insulation
IEC 60092-359	- Sheath
IEC 60332-1	- Flame Retardant
IEC 60332-3-22	- Flame Retardant
IEC 60331-21	- Fire Resistant
IEC 60754-1,2	- Halogen Free
IEC 61034-1,2	- Low Smoke

### Construction

	Code Letter	
Conductor		Tinned stranded circular copper (STCC), IEC 60228 class 2
Insulation	B	Mica-tape + EP-rubber, IEC 60092-351 (EPR)
Lay up / Shielding		Cores laid up in concentric layers
Inner covering		No inner covering. (Additional tapes may be applied)
Armour/screen		No armour.
Outer sheath	U	Flame retardant, halogen-free and mud resistant thermoset compound, SHF2 (IEC 60092-359)
Marking text		E.g. "meter" "år" DRAKA NORSK KABEL BU 0,6/1kV P17 1 x 70 mm <sup>2</sup> IEC 60331-21 IEC 60332-3-22
Outer sheath colour		Black



## BU 0,6/1kV P17, Power cable, Unarmoured

### Core identification power cables

Single core	Grey (Offwhite)
Two cores	Grey (Offwhite) - Black
Three cores	Grey (Offwhite) - Black - Red
Four cores	Grey (Offwhite) - Black - Red - Blue
Five cores	Grey (Offwhite) - Black - Red - Blue - Black
Above five cores	Black numbers on white base
Separate earth core	Yellow/green

G / x in cable description G = one of the core are yellow/green - x = no yellow/green core

### Range and dimensions

Number of elements	Cross section core, mm <sup>2</sup>	Conductor Diameter, mm	Insulation Thickness, mm	Thickness Outer Sheath, mm	Diameter outer sheath, mm	Weight of Cable Approx. (Kg/Km)	Copper content Approx. (kg/km)
1	16	5.15	1.0	1.1	10 ± 0.8	230	144
1	25	6.45	1.2	1.2	11.5 ± 0.8	350	229
1	35	7.65	1.0	1.2	13 ± 0.8	450	308
1	50	9.0	1.4	1.2	15 ± 0.8	600	430
1	70	10.85	1.4	1.4	17 ± 0.8	830	620
1	95	12.6	1.6	1.4	19 ± 0.8	1100	836
1	120	14.2	1.6	1.5	21 ± 1	1370	1075
1	150	15.9	1.8	1.6	23.5 ± 1	1700	1336
1	185	17.7	2.0	1.7	26 ± 1	2100	1663
1	10	4.05	1.0	1.1	9 ± 0.5	165	90
2	1.5	1.6	1.0	1.1	10 ± 0.8	150	28
3G	1.5	1.6	1.0	1.1	10.5 ± 0.8	175	42
3	1.5	1.6	1.0	1.1	10.5 ± 0.8	175	42
7	1.5	1.6	1.0	1.3	14.5 ± 0.8	330	98
19	1.5	1.6	1.0	1.6	22.5 ± 1	770	264
2	2.5	2.0	1.0	1.1	11 ± 0.8	185	46
3G	2.5	2.0	1.0	1.1	11.5 ± 0.8	215	69
3	2.5	2.0	1.0	1.1	11.5 ± 0.8	215	69
4G	2.5	2.0	1.0	1.2	13 ± 0.8	265	92
5G	2.5	2.0	1.0	1.2	14 ± 0.8	320	114
3	4	2.55	1.0	1.2	13 ± 0.8	295	110
2	6	3.15	1.0	1.2	13.5 ± 0.8	310	109
3	6	3.15	1.0	1.2	14.5 ± 0.8	380	164
5G	6	3.15	1.0	1.3	17.5 ± 0.8	580	272
3	10	4.05	1.0	1.4	16.5 ± 0.8	550	271
3	16	5.15	1.0	1.4	19 ± 0.8	780	433
3	25	6.45	1.2	1.5	22.5 ± 1	1160	688
3	35	7.65	1.2	1.7	26 ± 1	1550	927
3	50	9.0	1.4	1.9	30 ± 1.5	2120	1293
3	150	15.9	1.8	2.3	48 ± 2	5910	4020

### Ordering information

Part number	Description	Sheath Colour	EAN No. DNK	EL No.
801200	BU 0.6/1kV 1X 16mm <sup>2</sup> P17	BLACK	7021528012002	-
801201	BU 0.6/1kV 1X 25mm <sup>2</sup> P17	BLACK	7021528012019	-
801202	BU 0.6/1kV 1X 35mm <sup>2</sup> P17	BLACK	7021528012026	-
801203	BU 0.6/1kV 1X 50mm <sup>2</sup> P17	BLACK	7021528012033	1061203
801204	BU 0.6/1kV 1X 70mm <sup>2</sup> P17	BLACK	7021528012040	-



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Part number	Description	Sheath Colour	EAN No. DNK	EL No.
801205	BU 0.6/1kV 1X 95mm <sup>2</sup> P17	BLACK	7021528012057	1061205
801206	BU 0.6/1kV 1X 120mm <sup>2</sup> P17	BLACK	7021528012064	-
801207	BU 0.6/1kV 1X 150mm <sup>2</sup> P17	BLACK	7021528012071	1061207
801208	BU 0.6/1kV 1X 185mm <sup>2</sup> P17	BLACK	7021528012088	-
801214	BU 0.6/1kV 1X 10mm <sup>2</sup> P17	BLACK	7021528012149	-
801215	BU 0,6/1KV 2X 1,5 MM2 P17	BLACK	7021528012156	-
801216	BU 0.6/1kV 3G 1.5mm <sup>2</sup> P17	BLACK	7021528012163	-
801218	BU 0,6/1KV 3X 1,5 MM2 P17	BLACK	7021528012187	-
801225	BU 0,6/1KV 7X 1,5 MM2 P17	BLACK	7021528012255	-
801228	BU 0.6/1KV 19X 1.5mm <sup>2</sup> P17	BLACK	7021528012286	-
801233	BU 0.6/1KV 2X 2.5mm <sup>2</sup> P17	BLACK	7021528012330	-
801234	BU 0.6/1KV 3G 2.5mm <sup>2</sup> P17	BLACK	7021528012347	-
801236	BU 0,6/1KV 3X 2,5 MM2 P17	BLACK	7021528012361	-
801237	BU 0.6/1KV 4G 2.5mm <sup>2</sup> P17	BLACK	7021528012378	-
801240	BU 0.6/1KV 5G 2.5mm <sup>2</sup> P17	BLACK	7021528012408	-
801253	BU 0,6/1KV 3X 4 MM2 P17	BLACK	7021528012538	-
801259	BU 0,6/1KV 2X 6 MM2 P17	BLACK	7021528012590	-
801261	BU 0,6/1KV 3X 6 MM2 P17	BLACK	7021528012613	-
801263	BU 0,6/1KV 5G 6 mm <sup>2</sup> P17	BLACK	7021528012637	-
801267	BU 0,6/1KV 3X 10 MM2 P17	BLACK	7021528012675	-
801273	BU 0,6/1KV 3X 16 MM2 P17	BLACK	7021528012736	-
801279	BU 0,6/1KV 3X 25 mm <sup>2</sup> P17	BLACK	7021528012798	-
801286	BU 0,6/1KV 3X 35 mm <sup>2</sup> P17	BLACK	7021528012866	-
801292	BU 0,6/1KV 3X 50 mm <sup>2</sup> P17	BLACK	7021528012927	-
801298	BU 0,6/1KV 3X 150 mm <sup>2</sup> P17	BLACK	7021528012989	-

### Electrical values power cables

Number of elements	Cross section core, mm <sup>2</sup>	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	1.16	1.48	0.100	0.120	96	2240
1	25	0.734	0.936	0.097	0.117	127	3500
1	35	0.529	0.675	0.093	0.111	157	4900
1	50	0.391	0.499	0.091	0.109	196	7000
1	70	0.27	0.344	0.087	0.105	242	9800
1	95	0.195	0.249	0.085	0.102	293	13300
1	120	0.154	0.196	0.084	0.100	339	16800
1	150	0.126	0.161	0.083	0.100	389	21000
1	185	0.1	0.128	0.083	0.100	444	25900
1	10	1.84	2.35	0.108	0.130	72	1400
2	1.5	12.2	15.6	-	-	20	210
3G	1.5	12.2	15.6	0.115	0.138	20	210
3	1.5	12.2	15.6	0.115	0.138	16	210
7	1.5	12.2	15.6	0.115	0.138	12	210
19	1.5	12.2	15.6	0.115	0.138	8.5	210
2	2.5	7.56	9.64	0.107	0.129	26	350
3G	2.5	7.56	9.64	0.107	0.129	26	350
3	2.5	7.56	9.64	0.107	0.129	21	350
4G	2.5	7.56	9.64	0.107	0.129	21	350
5G	2.5	7.56	9.64	0.107	0.129	21	350
3	4	4.7	5.99	0.100	0.120	28	560
2	6	3.11	3.97	0.094	0.112	44	840



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Number of elements	Cross section core, mm <sup>2</sup>	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	6	3.11	3.97	0.094	0.112	36	840
5G	6	3.11	3.97	0.094	0.112	36	840
3	10	1.84	2.35	0.088	0.105	50	1400
3	16	1.16	1.48	0.082	0.099	67	2240
3	25	0.734	0.936	0.079	0.095	89	3500
3	35	0.529	0.675	0.078	0.094	110	4900
3	50	0.391	0.499	0.078	0.093	137	7000
3	150	0.126	0.161	0.073	0.088	272	21000

### 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