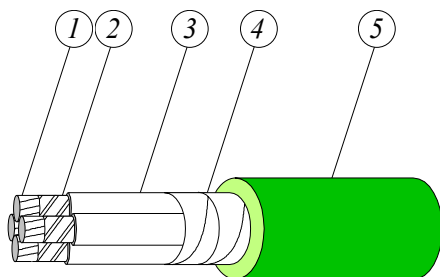


Unbraided Fire resistant Power cable, BI 0,6/1kV



Fire resistant cables

BI 0,6/1kV

Halogen-free

Flame retardant

Maximum operating

conductor temperature : 85 °C

Operating voltage : 0,6/1kV

Application

Unarmoured fire resistant power and control cable for fixed installations. Recommended for use on instrumentation, communication, control, alarm, emergency and critical systems in safe areas.

Standards applied

IEC:60092-353	- Design guidelines
IEC:60331	- Fire resistance
IEC:60332-3/A and	
IEC:60332-1	- Flame retardance
IEC:60754-1,2	- Halogen-free properties
IEC 61034-1,2	- Smoke density

CONSTRUCTION

	CODE LETTER	
Conductor		Annealed, stranded copper. (1)
Insulation	B	Mica-tape (2) / XLPE, cross-linked polyethylene. (3)
		Additional tapes may be applied. (4)
Outer sheath	I	Flame retardant halogen-free thermoplastic compound, SHF1. (5)
Marking		E.g; "meter" "year" DRAKA NORSK KABEL BI 0,6/1kV 3x 2,5 mm ² IEC 60331 IEC 60332-3/A ShipLine "CE"
Colour		Green

Core identification:

Two core	Black - Blue
Three core	Black – Brown – White
Four core	Black – Blue – Brown - White
Five core and above	White with black numbers
Earth core	Yellow/green

Gland recommendation:

EX (e) - Glands with seal on outer sheath only.

RANGE, DIMENSIONS: BI 0,6/1 KV

No. of cores and cond. area mm ²	Cond. diam. appr. mmØ	Insulation thickness Mm	Diameter overall mmØ	Weight of cable kg/km	Resistance at 20°C ohm/km	Reactance at 60Hz ohm/km	Current rating at 45°C ampere	Short circuit rating ampere
2x 1,5	1,60	0,7	8,5±0,5	85	12,2	0,126	17	210
2x 2,5	2,00	0,7	9,5±0,5	110	7,56	0,117	24	350
3G 1,5	1,60	0,7	9,0±0,5	105	12,2	0,126	17	210
3G 2,5	2,00	0,7	10,0±0,8	145	7,56	0,117	24	350
3x 1,5	1,60	0,7	9,0±0,5	105	12,2	0,126	14	210
3x 2,5	2,00	0,7	10,0±0,8	145	7,56	0,117	20	350
3x 4	2,55	0,7	11,5±0,8	205	4,70	0,110	27	560
3x 6	3,15	0,7	13,0±0,8	275	3,11	0,104	34	840
3x 10	4,05	0,7	15,0±0,8	390	1,84	0,098	47	1400
3x 16	5,15	0,7	17,5±0,8	600	1,16	0,093	63	2240
4G 1,5	1,60	0,7	10,0±0,8	135	12,2	0,126	14	210
4G 2,5	2,00	0,7	11,0±0,8	180	7,56	0,117	20	350
4x 1,5	1,60	0,7	10,0±0,8	135	12,2	0,126	14	210
4x 2,5	2,00	0,7	11,0±0,8	180	7,56	0,117	20	350
5x 1,5	1,6	0,7	11,0±0,8	170	12,2	0,126	14	210
7x 1,5	1,60	0,7	12,0±0,8	215	12,2	0,126	10	210
12x 1,5	1,60	0,7	16,5±0,8	355	12,2	0,126	9	210
19x 1,5	1,60	0,7	19,5±0,8	535	12,2	0,126	8	210
27x 1,5	1,60	0,7	23,5±1,0	745	12,2	0,126	7	210
7x 2,5	2,00	0,7	13,5±0,8	295	7,56	0,117	15	350

Correction factors for different ambient temperatures:

Ambient temp. °C	25	30	35	40	45	50	55	60	65	70	75
Rating factors	1,22	1,17	1,12	1,06	1,00	0,94	0,87	0,79	0,71	0,61	0,5

Installation recommendations

In accordance with IEC 60092-352

Minimum bending radius		Maximum pulling tension	Minium installation temperature
During installation	Fixed Installed	50N x total Cross section of conductors	- 10°C
8 x cable diameter	6 x cable diameter		

Ordering Information: BI 0,6/1kV

No. of pairs and conductor area (mm ²)	DRAKA NORSK KABEL Part number	EI-number (Norway only)
2x 1,5	839515	
2x 2,5	839533	
3G 1,5	839516	
3G 2,5	839534	
3x 1,5	839518	
3x 2,5	839536	
3x 4	839551	
3x 6	839557	
3x 10	839563	
3x 16	839569	
4G 1,5	839519	
4G 2,5	839537	
4x 1,5	839521	
4x 2,5	839539	
5x 1,5	839524	
7x 1,5	839525	
12x 1,5	839527	
19x 1,5	839529	
27x 1,5	839531	
7x 2,5	839542	

We reserve the right to alter this specification without notice.