

Torsion Resistant PVC/PVC 600V Cable



Eland Product Group: B9G

APPLICATION

Wind Farm Turbine cables with increased tolerance to torsion as well as being UV and oil resistant. Special PVC remains flexible at low temperatures.

CHARACTERISTICS

Rated Voltage
600V

Temperature Rating
-40°C +80°C

Minimum Bending Radius
Fixed: 4 x Overall Diameter
Flexed: 10x Overall Diameter

Torsion Application
±140°/m

CONSTRUCTION

Conductor
Class 2 Stranded Bare Copper

Insulation
Special PVC (Polyvinyl Chloride)

Outer Sheath
Special PVC (Polyvinyl Chloride)

Sheath Colour
● Black

STANDARDS

UL 758, DIN VDE 0295, IEC 60811-2-1,
Flame retardant according to CSA C 22.2

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECCE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: www.elandcables.com/company/about-us/esg-sustainability



REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab[®].





DIMENSIONS

ELAND PART NUMBER	NUMBER OF CORES	NOMINAL CROSS-SECTION mm ²	AWG/MCM	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
B9G01070BK	1	35	2	12.9	460
B9G01095BK	1	70	2/0	17.9	880
B9G01120BK	1	95	3/0	21.9	1230
B9G01150BK	1	120	4/0	23.1	1540
B9G01185BK	1	150	300	27.2	1870
B9G01240BK	1	185	350	28.0	2300
B9G01300BK	1	240	500	31.2	2970
B9G01400BK	1	300	600	35.0	3730
B9G020015BK	1	400	750	39.3	4500
B9G0300075BK	3	0.75	19	7.3	77
B9G030015BK	3	1.5	16	8.0	110
B9G030025BK	3	2.5	14	8.9	151
B9G030040BK	3	4	12	10.8	250
B9G030060BK	3	6	10	13.1	340
B9G04000034BK	4	0.34	22	7.1	86
B9G0400005BK	4	0.5	20	7.4	99
B9G0400075BK	4	0.75	19	7.9	100
B9G040010BK	4	1.0	18	8.3	100
B9G040015BK	4	1.5	16	8.9	131
B9G040025BK	4	2.5	14	9.7	230
B9G040040BK	4	4	12	12.0	270
B9G040060BK	4	6	10	14.6	460
B9G04010BK	4	10	8	17.4	670
B9G04016BK	4	16	6	22.6	1000
B9G04025BK	4	25	4	26.5	1580
B9G04035BK	4	35	2	31.4	2100
B9G04050BK	4	50	1	36.7	2800
B9G0500075BK	5	0.75	19	8.6	120
B9G050010BK	5	1.0	18	9.0	110
B9G050015BK	5	1.5	16	9.7	165
B9G050025BK	5	2.5	14	10.9	250
B9G050040BK	5	4	12	13.6	370
B9G050060BK	5	6	10	16.3	550
B9G05010BK	5	10	8	20.1	870
B9G05016BK	5	16	6	25.4	1250
B9G05025BK	5	25	4	28.2	1900
B9G05035BK	5	35	2	35.4	2600
B9G0600005BK	6	0.5	20	8.6	121
B9G0700075BK	7	0.75	19	10.0	170
B9G070010BK	7	1.0	18	10.5	140
B9G070015BK	7	1.5	16	12.0	210
B9G070025BK	7	2.5	14	14.4	360
B9G070040BK	7	4	12	15.9	530
B9G070060BK	7	6	10	19.6	780



Click here for more information:

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ELAND
CABLES

ELAND PART NUMBER	NUMBER OF CORES	NOMINAL CROSS-SECTION MM	AWG/MCM	NOMINAL OVERALL DIAMETER MM	NOMINAL WEIGHT KG/KM
B9G07010BK	7	10	8	23.5	1150
B9G1000005BK	10	0.5	20	10.8	165
B9G1000075BK	10	0.75	19	11.0	200
B9G100010BK	10	1.0	18	13.0	220
B9G100015BK	10	1.5	16	13.1	270
B9G100025BK	10	2.5	14	15.8	480
B9G1200005BK	12	0.5	20	11.1	208
B9G1200075BK	12	0.75	19	11.8	220
B9G120010BK	12	1.0	18	13.2	240
B9G120015BK	12	1.5	16	14.3	360
B9G120025BK	12	2.5	14	16.3	580
B9G120040BK	12	4	12	19.6	740
B9G1400075BK	14	0.75	19	12.5	238
B9G140010BK	14	1.0	18	13.4	280
B9G140015BK	14	1.5	16	14.9	420
B9G1600075BK	16	0.75	19	13.2	271
B9G160010BK	16	1.0	18	14.1	310
B9G160015BK	16	1.5	16	15.7	450
B9G1800075BK	18	0.75	19	13.9	310
B9G180010BK	18	1.0	18	15.1	360
B9G180015BK	18	1.5	16	16.8	510
B9G190025BK	19	2.5	14	20.4	690
B9G2100075BK	21	0.75	19	15.2	380
B9G210010BK	21	1.0	18	16.7	410
B9G210015BK	21	1.5	16	17.8	590
B9G2500075BK	25	0.75	19	16.9	490
B9G250010BK	25	1.0	18	18.4	500
B9G250015BK	25	1.5	16	20.6	700
B9G3200075BK	32	0.75	19	18.2	560
B9G320010BK	32	1.0	18	19.8	590
B9G320015BK	32	1.5	16	22.2	900
B9G3600075BK	36	0.75	19	19.1	620
B9G360015BK	36	1.0	18	20.6	700
B9G4000075BK	36	1.5	16	23.1	980
B9G400010BK	40	0.75	19	20.5	729
B9G400015BK	40	1.0	18	22.4	800
B9G4100075BK	40	1.5	16	25.0	1050
B9G410010BK	41	0.75	19	20.8	729
B9G410015BK	41	1.0	18	22.4	810
B9G460010BK	41	1.5	16	25.0	1050
B9G5000075BK	50	0.75	19	23.5	990
B9G500010BK	50	1.0	18	24.6	980
B9G500015BK	50	1.5	16	27.7	1200