2GTL Cable

Eland Product Group: GTL

APPLICATION

These halogen free cables are designed for transformers, generators and motors working under high or low temperatures. They can be used in indoor installations or in ducts, offering a good resistance to high molecular density oils, vegetables and animals fats, alcohols and seawater. The outer fibre glass braid enhances the mechanical properties of the cable.

CHARACTERISTICS

Voltage Rating Uo/U
Yellow: 1.1/1.9kV
Red/Brown: 3.3/4.2kV
Grey: 6.6/7.2kV
Black: 13.9/15kV

Temperature Rating
-50°C to +180°C

Minimum Bending Radius
Dynamic: 15 x overall diameter
Static: 6 x overall diameter

CONSTRUCTION

Conductor
Class 5 Flexible Tinned Copper

Semi-Conductive Layer
Semi-Conductive Tape

Insulation
Silicone Rubber

Seperator Tape

Inner Sheath
Rubber Compound

Sheath
Glass Fiber Braid

Sheath Colour
Yellow Red/Brown Grey Black

STANDARDS

IEC/EN 60228, IEC/EN 60332-1, IEC/EN 61034-2, IEC/EN 60754-1

THE CABLE LAB®

AN ISO/IEC 17025 AND IECEE 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 RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab®.

DIMENSIONS

1.1/1.9kV

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
GTL019KV010015	1	1.5	4.1	26
GTL019KV010025	1	2.5	4.6	36
GTL019KV010040	1	4	5.1	52
GTL019KV010060	1	6	5.5	72
GTL019KV01010	1	10	6.4	113
GTL019KV01016	1	16	8.5	168
GTL019KV01025	1	25	10.5	261
GTL019KV01035	1	35	11.8	356
GTL019KV01050	1	50	14.1	509
GTL019KV01070	1	70	16.1	737
GTL019KV01095	1	95	18.3	970
GTL019KV01120	1	120	20.2	1210
GTL019KV01150	1	150	22.5	1480
GTL019KV01185	1	185	24.9	1795
GTL019KV01240	1	240	27.3	2360

3.3/4.2kV

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
GTL042KV010060	1	6	7.3	93
GTL042KV01010	1	10	8.3	137
GTL042KV01016	1	16	10.4	200
GTL042KV01025	1	25	12.1	290
GTL042KV01035	1	35	13.2	356
GTL042KV01050	1	50	15.5	546
GTL042KV01070	1	70	17.5	739
GTL042KV01095	1	95	19.9	978
GTL042KV01120	1	120	21.8	1213
GTL042KV01150	1	150	23.7	1483
GTL042KV01185	1	185	25.7	1804
GTL042KV01240	1	240	28.1	2355

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DIMENSIONS

6.6/7.2kV

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm^2	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
GTL072KV010040	1	4	8.1	88
GTL072KV010060	1	6	8.5	112
GTL072KV01010	1	10	9.4	160
GTL072KV01016	1	16	11.3	226
GTL072KV01025	1	25	13.1	322
GTL072KV01035	1	35	14.2	422
GTL072KV01050	1	50	16.8	589
GTL072KV01070	1	70	18.5	787
GTL072KV01095	1	95	20.2	1011
GTL072KV01120	1	120	22.2	1249
GTL072KV01150	1	150	24.2	1535
GTL072KV01185	1	185	26.2	1859
GTL072KV01240	1	240	28.6	2362

13.9/15kV

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm^2	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
GTL15KV01010	1	10	12.1	211
GTL15KV01016	1	16	14.1	287
GTL15KV01025	1	25	15.6	389
GTL15KV01035	1	35	16.7	496
GTL15KV01050	1	50	18.6	685
GTL15KV01070	1	70	20.7	866
GTL15KV01095	1	95	22.5	1096
GTL15KV01120	1	120	24.3	1340
GTL15KV01150	1	150	26.7	1646
GTL15KV01185	1	185	28.7	1975
GTL15KV01240	1	240	30.9	2485

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm²	MAXIMUM CONDUCTOR RESISTANCE AT 20°C Ω/km	AMPACITY IN AIR AT 30°C A
1.5	13.7	35
2.5	8.21	45
4	4.95	60
6	3.39	95
10	1.95	135
16	1.24	205
25	0.795	240
35	0.565	315
50	0.393	400
70	0.277	510
95	0.21	620
120	0.164	700
150	0.132	780
185	0.106	850
240	0.0817	960