Veriflex® YY LSZH (HSLH) Control Cable

Eland Product Group: V11

APPLICATION

Veriflex® low smoke halogen-free flexible connecting cable for instrumentation and control equipment for tooling machinery, production lines, and in flexible applications with free movement and no tensile load. Suitable for use in dry, ambient and wet rooms. These cables are not suitable for outdoor or underground installations..

CHARACTERISTICS

Voltage Rating
300/500V

Temperature Rating
Fixed: -40°C to +80°C
Flexed: -15°C to +70°C

Minimum Bending Radius
Fixed: 6 x overall diameter
Flexed: 15 x overall diameter

CONSTRUCTION

Conductor
Class 5 flexible plain copper

Insulation
LSZH (Low Smoke Zero Halogen)

Sheath
LSZH (Low Smoke Zero Halogen)

Core Identification
● Black with ○ White number
From 3 cores: ● Black with ○ White number + ◐ Green/Yellow
Colour-coded cores available upon request

Sheath Colour
● Grey

STANDARDS

VDE 0207-303-7,

Flame Retardant according to IEC/EN 60332-1-2, IEC/EN 60332-3-24
Low Smoke Zero Halogen according to IEC/EN 60754-1/2, IEC/EN 61034-1/2

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 is compliant with European Reglation EN 50575, the Construction Products Regulation.

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 NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm^2	NOMINAL THICKNESS OF INSULATION mm	NOMINAL THICKNESS OF OUTER SHEATH mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
V1102001GR000	2	0.5	0.40	0.7	4.8	36
V1102011GR000	2	0.75	0.40	0.7	5.2	46
V1102021GR000	2	1	0.40	0.7	5.6	56
V1102031GR000	2	1.5	0.40	0.8	6.4	73
V1102041GR000	2	2.5	0.50	0.9	7.6	113
V1103001GR000	3	0.5	0.40	0.7	5.1	44
V1103011GR000	3	0.75	0.40	0.7	5.5	55
V1103021GR000	3	1	0.40	0.8	6.1	69
V1103031GR000	3	1.5	0.40	0.8	6.8	91
V1103041GR000	3	2.5	0.50	0.9	8.3	140
V1103051GR000	3	4	0.60	1	10	210
V1103061GR000	3	6	0.65	1.10	11.5	293
V1103071GR000	3	10	0.75	1.40	14.9	500
V1103081GR000	3	16	0.75	1.50	16.8	704
V1104001GR000	4	0.5	0.40	0.7	5.5	54
V1104011GR000	4	0.75	0.40	0.8	6.2	70
V1104021GR000	4	1	0.40	0.8	6.7	85
V1104031GR000	4	1.5	0.40	0.9	7.6	116
V1104041GR000	4	2.5	0.50	1	9.3	179
V1104051GR000	4	4	0.60	1.10	11.2	269
V1104061GR000	4	6	0.65	1.20	12.8	374
V1104071GR000	4	10	0.75	1.50	16.6	608
V1104081GR000	4	16	0.75	1.60	18.7	844
V1104091GR000	4	25	0.90	2	23.6	1327
V1104101GR000	4	35	0.95	2.20	27.2	1790
V1105001GR000	5	0.5	0.40	0.8	6.2	64
V1105011GR000	5	0.75	0.40	0.8	6.7	83
V1105021GR000	5	1	0.40	0.9	7.5	104
V1105031GR000	5	1.5	0.40	0.9	8.3	136
V1105041GR000	5	2.5	0.50	1.10	10.3	213
V1105051GR000	5	4	0.60	1.20	12.4	321
V1105061GR000	5	6	0.65	1.30	14.3	447
V1105071GR000	5	10	0.75	1.60	18.4	760
V1105081GR000	5	16	0.75	1.80	20.9	1064
V1105091GR000	5	25	0.90	2.20	26.4	1673
V1107001GR000	7	0.5	0.40	0.8	6.7	81
V1107011GR000	7	0.75	0.40	0.9	7.5	108
V1107021GR000	7	1	0.40	0.9	8.1	130
V1107031GR000	7	1.5	0.40	1	9.2	177
V1107041GR000	7	2.5	0.50	1.10	11.2	277
V1107051GR000	7	4	0.60	1.30	13.7	423
V1107061GR000	7	6	0.65	1.40	15.7	593
V1108001GR000	8	0.5	0.40	0.9	7.5	95
V1108021GR000	8	1	0.40	1	9	150
V1108031GR000	8	1.5	0.40	1	10	200
V1112001GR00000	12	0.5	0.40	1	9.1	139
V1112011GR00000	12	0.75	0.40	1	9.9	179
V1112021GR00000	12	1	0.40	1.10	10.9	225

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ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²	NOMINAL THICKNESS OF INSULATION mm	NOMINAL OUTER SHEATH THICKNESS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
V1112031GR00000	12	1.5	0.40	1.20	12.4	302
V1118001GR00000	18	0.5	0.40	1.1	10.7	201
V1118011GR00000	18	0.75	0.40	1.20	11.9	230
V1118021GR00000	18	1	0.40	1.20	12.9	324
V1118031GR00000	18	1.5	0.40	1.40	14.8	446
V1118041GR00000	18	2.5	0.50	1.60	18.2	704
V1125001GR00000	25	0.5	0.40	1.2	12.9	285
V1125011GR00000	25	0.75	0.40	0.130	14.3	372
V1125021GR00000	25	1	0.40	1.40	15.7	462
V1125031GR00000	25	1.5	0.40	1.60	18	627
V1125041GR00000	25	2.5	0.50	1.90	22.3	997
V1134011GR00000	34	0.75	0.40	1.50	16.3	492
V1134021GR00000	34	1	0.40	1.60	17.9	617
V1134031GR00000	34	1.5	0.40	1.70	20.2	833

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm²	CURRENT CARRYING CAPACITES 30°C CONTINOUS LOADING A	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
0.5	9	39
0.75	12	26
1	15	19.5
1.5	18	13.3
2.5	23	7.98
4	34	4.95
6	44	3.3
10	61	1.91
16	82	1.21
25	108	0.780
35	135	0.554

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.