

ELAND[®]
CABLES

LiHCH Cable

Eland Product Group: **V63**

APPLICATION

This cable can be used for signal transmission between electronic devices, in computer systems or process control units with increased requirements to electromagnetic compatibility.

CONSTRUCTION

Conductor

Class 5 Fine Stranded Bare Copper

Insulation

FRNC Compound HI1 (Flame Retardant Non-Corrosive)

Screen

Copper braid

Sheath

FRNC Compound HI1 (Flame Retardant Non-Corrosive)

CABLE STANDARDS

VDE 0482-332-1-2, IEC 60332-1



The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

CHARACTERISTICS

Temperature Range

Fixed: -30°C to +70°C

Minimum Bending Radius

Fixed Installation: 7.5 x overall diameter

Moved Application: 15 x overall diameter

Nominal Voltage U₀

250V

Test Voltage

1.2kV

Core Identification

2 Core: ○ White ● Brown

3 Core: ○ White ● Brown ● Green

4 Core: ○ White ● Brown ● Green ● Yellow

5 Core: ○ White ● Brown ● Green ● Yellow ● Grey

6 Core: ○ White ● Brown ● Green ● Yellow ● Grey ● Pink

Larger sizes: 6 Core colours + following colours in addition

7 Core: ● Blue

8 Core: ● Red

10 Core: ● Black ● Violet

12 Core: ● Grey/Pink ● Red/Blue

16 Core: ● White/Green ● Brown/Green ● White/Yellow

● Yellow/Brown

18 Core: ● White/Grey ● Grey/Brown

25 Core: ● White/Pink ● Pink/Brown ● White/Blue

● Brown/Blue ● White/Red ● Brown/Red

● White/Black

Sheath Colour

● Grey

DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OUTER DIAMATER mm	NOMINAL WEIGHT kg/km
V6302222GR000	2	0.14	4.1	22
V6302232GR000	2	0.25	4.7	24
V6302242GR000	2	0.34	5.1	30
V6302002GR000	2	0.5	5.8	38
V6302012GR000	2	0.75	6.2	45
V6302022GR000	2	1	6.5	72
V6302032GR000	2	1.5	7.7	90
V6303222GR000	3	0.14	4.3	25
V6303232GR000	3	0.25	4.9	29
V6303242GR000	3	0.34	5.3	33
V6303002GR000	3	0.5	6.1	47
V6303012GR000	3	0.75	6.5	60
V6303022GR000	3	1	7	90
V6303032GR000	3	1.5	8.1	115
V6304222GR000	4	0.14	4.5	28
V6304232GR000	4	0.25	5.2	35
V6304242GR000	4	0.34	5.9	59
V6304002GR000	4	0.5	6.5	62
V6304012GR000	4	0.75	7.2	92
V6304022GR000	4	1	7.5	109
V6304032GR000	4	1.5	8.7	153
V6305222GR000	5	0.14	4.8	32
V6305232GR000	5	0.25	5.8	41
V6305242GR000	5	0.34	6.4	56
V6305002GR000	5	0.5	7.2	76
V6305012GR000	5	0.75	7.8	97
V6305022GR000	5	1	8.2	126
V6305032GR000	5	1.5	9.5	176
V6306222GR000	6	0.14	5.1	35
V6306232GR000	6	0.25	6.2	49
V6306242GR000	6	0.34	7	59
V6306002GR000	6	0.5	7.8	84
V6307222GR000	7	0.14	5.2	39
V6307232GR000	7	0.25	6.3	51
V6307242GR000	7	0.34	7.1	75
V6307002GR000	7	0.5	7.9	86
V6307012GR000	7	0.75	8.5	120
V6307022GR000	7	1	8.8	171
V6307032GR000	7	1.5	10.7	220
V6308222GR000	8	0.14	6	41
V6308232GR000	8	0.25	7.3	58
V6308242GR000	8	0.34	8	84
V6308002GR000	8	0.5	8.9	135
V6309222GR000	10	0.14	6.4	54
V6309232GR000	10	0.25	7.7	81
V6309242GR000	10	0.34	8.9	106
V6309002GR000	10	0.5	9.5	129
V6309012GR000	10	0.75	10.7	169

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OUTER DIAMATER mm	NOMINAL WEIGHT kg/km
V6310222GR000	12	0.14	6.8	74
V6310232GR000	12	0.25	7.9	117
V6310242GR000	12	0.34	9.1	133
V6310002GR000	12	0.5	9.8	148
V6310012GR000	12	0.75	11.1	196
V6313222GR000	16	0.14	7.2	90
V6313232GR000	16	0.25	8.6	124
V6313242GR000	16	0.34	9.6	160
V6318222GR000	25	0.14	9.4	135
V6318232GR000	25	0.25	10.9	161
V6318242GR000	25	0.34	12.5	232
V6314002GR000	18	0.5	11.7	210
V6314012GR000	18	0.75	12.7	327
V6318002GR000	25	0.5	13.9	319
V6318012GR000	25	0.75	15.5	454