

LiYCY Cable



APPLICATION

The LiYCY Cable is a high-performance, flexible, multi-conductor cable engineered for signal and data transmission in environments demanding superior electromagnetic compatibility (EMC). LiYCY control cable can be used in industrial automation, computer systems and instrumentation.

CHARACTERISTICS

Voltage Rating (U_o/U)
300/500V

Temperature Rating

Fixed Installation: -40°C to +80°C.
Flexible Installation: -5°C to +50°C

Minimum Bending Radius

Fixed Installation: 10 x overall diameter

CONSTRUCTION

Conductor

Class 5 Fine Stranded Bare Copper

Insulation

PVC (Polyvinyl chloride)

Screen

TCWB (Tinned Copper Wire Braid)

Outer Sheath

PVC (Polyvinyl chloride)

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
14 Core: ● White/Green ● Brown/Green
15 Core: ● White/Yellow
16 Core: ● Yellow/Brown
18 Core: ● White/Grey ● Grey/Brown
20 Core: ● White/Pink ● Pink/Brown
21 Core: ● White/Blue
24 Core: ● Brown/Blue ● White/Red ● Brown/Red
25 Core: ● White/Black
30 Core: ● Brown/Black ● Grey/Green ● Yellow/Grey
● Pink/Green ● Yellow/Pink

Sheath Colour

● Grey

STANDARDS

-VDE 0812(conductor reference). EN
50363 (insulation and sheath) -IEC
60332-1-2(fame retardancy)

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 Regulation 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 OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
V6202222GR000	2	0.14	3.9	21
V6202232GR000	2	0.25	4.6	28
V6202242GR000	2	0.34	4.8	31
V6202002GR000	2	0.5	5	36
V6202012GR000	2	0.75	6.7	62
V6202022GR000	2	1	7	74
V6202032GR000	2	1.5	7.7	86
V6203222GR000	3	0.14	4	40
V6203232GR000	3	0.25	4.8	34
V6203242GR000	3	0.34	5	38
V6203002GR000	3	0.5	5.3	45
V6203012GR000	3	0.75	7	73
V6203022GR000	3	1	7.3	89
V6203032GR000	3	1.5	8	107
V6204222GR000	4	0.14	4.2	43
V6204232GR000	4	0.25	5.2	40
V6204242GR000	4	0.34	5.4	46
V6204002GR000	4	0.5	5.7	54
V6204012GR000	4	0.75	7.6	92
V6204022GR000	4	1	8	107
V6204032GR000	4	1.5	9	129
V6205222GR000	5	0.14	4.6	47
V6205232GR000	5	0.25	5.7	47
V6205242GR000	5	0.34	5.9	54
V6205002GR000	5	0.5	6.4	67
V6205012GR000	5	0.75	8.2	110
V6205022GR000	5	1	8.6	132
V6205032GR000	5	1.5	10	150
V6206222GR000	6	0.14	4.9	52
V6206232GR000	6	0.25	6.3	54
V6206242GR000	6	0.34	6.6	62
V6206002GR000	6	0.5	6.9	76
V6206012GR000	6	0.75	9.1	128
V6207222GR000	7	0.14	5	54
V6207232GR000	7	0.25	6.3	61
V6207242GR000	7	0.34	6.7	70
V6207002GR000	7	0.5	7	84
V6207012GR000	7	0.75	9.7	145
V6207022GR000	7	1	9.2	158
V6207032GR000	7	1.5	10.8	192
V6208222GR000	8	0.14	6	58
V6208232GR000	8	0.25	6.4	66
V6208242GR000	8	0.34	7	76
V6208002GR000	8	0.5	7.3	107
V6208012GR000	8	0.75	9.8	151
V6208022GR000	8	1	10.5	179
V6209232GR000	10	0.25	6.7	80
V6209002GR000	10	0.5	8.8	134

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
V6209012GR000	10	0.75	11.7	182
V6209022GR000	10	1	11.5	215
V6210222GR000	12	0.14	6.7	81
V6210232GR000	12	0.25	4.6	28
V6210242GR000	12	0.34	9	128
V6210002GR000	12	0.5	9.5	155
V6210012GR000	12	0.75	12	216
V6210022GR000	12	1	12	254
V6210032GR000	12	1.5	14	315
V6211232GR000	14	0.25	8	120
V6211242GR000	14	0.34	9.5	141
V6212232GR000	15	0.25	9.4	127
V6213222GR000	16	0.14	7.3	97
V6213232GR000	16	0.25	9.6	135
V6213002GR000	16	0.5	10.7	186
V6214232GR000	18	0.25	10	150
V6214012GR000	18	0.75	13.9	311
V6214032GR000	18	1.5	15.5	450
V6215222GR000	20	0.14	7.8	116
V6215232GR000	20	0.25	10.2	157
V6215002GR000	20	0.5	11.6	239
V6216232GR000	21	0.25	10.5	163
V6218002GR000	25	0.5	13.4	313
V6218012GR000	25	0.75	16.6	404
V6219242GR000	30	0.34	13.3	282