

LiYCY TCWB Screened TP (Twisted Pair) PVC Control Cable



Eland Product Group: A5C

APPLICATION

To be installed in dry and humid rooms and used as a termination and connection cable in the control, measuring and signal technology.

CHARACTERISTICS

Voltage Rating

0.14mm²: 350V

Above 0.14mm²: 500V

Test Voltage

0.14mm²: 800V

Above 0.14mm²: 1200V

Temperature Rating

Fixed: -40°C to +80°C

Flexed: +5°C to +50°C

Minimum Bending Radius

Fixed: 10 x overall diameter

CONSTRUCTION

Conductor

Fine-stranded copper conductor

Insulation

PVC (Polyvinyl Chloride)

Separator

Plastic foil tape

Screen

TCWB (Tinned Copper Wire Braid)

Sheath

PVC (Polyvinyl Chloride)

Core Identification

Pair 1: ○ White ● Brown

Pair 2: ● Green ● Yellow

Pair 3: ● Grey ● Pink

Pair 4: ● Blue ● Red

Pair 5: ● Black ● Violet

Pair 6: ● Grey/Pink ● Red/Blue

Pair 7: ● White/Green ● Brown/Green

Pair 8: ● White/Yellow ● Yellow/Brown

Pair 9: ● White/Grey ● Grey/Brown

Pair 10: ● White/Pink ● Pink/Brown

Outer Sheath Colour

● Grey

STANDARDS

DIN VDE 0812

Flame Retardant according to: IEC/EN 60332-1-2

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



SCIENCE
BASED
TARGETS

**BUSINESS
AMBITION FOR 1.5°C**



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 2015/863/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab®.





DIMENSIONS

ELAND PART NO.	NO. OF PAIRS	NOMINAL CROSS SECTIONAL AREA mm ²	CONDUCTOR CONSTRUCTION		CONDUCTOR LOOP RESISTANCE ohms/km	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
			No. of strands	Strand Diameter mm			
A5CT200014	2	0.14	18	0.1	276	5.8	34
A5CT200025	2	0.25	14	0.16	151	6.6	46
A5CT200034	2	0.34	19	0.16	115	7.5	64
A5CT20050	2	0.5	16	0.21	75.6	8.2	75
A5CT20075	2	0.75	24	0.21	50.6	8.6	106
A5CT300014	3	0.14	18	0.1	276	6.2	43
A5CT300025	3	0.25	14	0.16	151	7	64
A5CT300034	3	0.34	19	0.16	115	7.9	86
A5CT30050	3	0.5	16	0.21	75.6	8.7	98
A5CT30075	3	0.75	24	0.21	50.6	9.5	140
A5CT400014	4	0.14	18	0.1	276	6.8	50
A5CT400025	4	0.25	14	0.16	151	7.6	73
A5CT400034	4	0.34	19	0.16	115	8.5	113
A5CT40050	4	0.5	16	0.21	75.6	9.3	123
A5CT40075	4	0.75	24	0.21	50.6	10.8	179
A5CT500014	5	0.14	18	0.1	276	7.7	70
A5CT500025	5	0.25	14	0.16	151	8.4	88
A5CT600014	6	0.14	18	0.1	276	7.9	81
A5CT600025	6	0.25	14	0.16	151	8.6	98
A5CT60050	6	0.5	16	0.21	75.6	10.8	162
A5CT60075	6	0.75	24	0.21	50.6	12.5	246
A5CT800014	8	0.14	18	0.1	276	8.6	93
A5CT800025	8	0.25	14	0.16	151	9.4	118
A5CT80050	8	0.5	16	0.21	75.6	11.8	190
A5CT80075	8	0.75	24	0.21	50.6	14.6	300
A5CT1000014	10	0.14	18	0.1	276	9.5	115
A5CT1000025	10	0.25	14	0.16	151	10.7	165
A5CT1200014	12	0.14	18	0.1	276	9.9	125
A5CT120050	12	0.5	16	0.21	75.6	14	342
A5CT12075	12	0.75	24	0.21	50.6	17.8	433
A5CT1600014	16	0.14	18	0.1	276	11.2	148
A5CT16075	16	0.75	24	0.21	50.6	18.7	564

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	ATTENUATION AT 800Hz db/km	MUTUAL CAPACITANCE
0.14	2.3	120
0.25	1.9	120
0.34	1.5	120
0.5	1.3	120
0.75	1.1	120

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.