

# 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

0.14mm<sup>2</sup>: 350V

Above 0.14mm<sup>2</sup>: 500V

### Test Voltage

0.14mm<sup>2</sup>: 800V

Above 0.14mm<sup>2</sup>: 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: BS EN/IEC 60332-1-2

## ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved prod



## REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.



## DIMENSIONS

ELAND PART NO.	NO. OF PAIRS	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	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 <sup>2</sup>	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.