

LiYCY TCWB Screened TP (Twisted Pair) PVC IEC 60754 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.

CONSTRUCTION

Conductor

Fine-stranded copper conductor

Insulation

PVC (Polyvinyl Chloride)

Separator

Plastic foil tape

Screen

TCWB (Tinned Copper Wire Braid)

Sheath

PVC (Polyvinyl Chloride)

CABLE STANDARDS

Generally to DIN VDE 0812, BS EN/IEC 60332-1-2



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

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

Flexed: 10 x overall diameter

Pair 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

Sheath Colour

● Grey

DIMENSIONS

ELAND PART NO.	NO. OF PAIRS	NOMINAL CROSS SECTIONAL AREA mm ²	CONDUCTOR CONSTRUCTION		CONDUCTOR LOOP RESISTANCE ohms/km	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.