

LiYCY TCWB Screened 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)

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

Sheath Colour

● Grey

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.

Core Identification

Core 1: ○ White	Core 26: ● Brown/Black
Core 2: ● Brown	Core 27: ● Grey/Green
Core 3: ● Green	Core 28: ● Yellow/Grey
Core 4: ● Yellow	Core 29: ● Pink/Green
Core 5: ● Grey	Core 30: ● Yellow/Pink
Core 6: ● Pink	Core 31: ● Green/Blue
Core 7: ● Blue	Core 32: ● Yellow/Blue
Core 8: ● Red	Core 33: ● Green/Red
Core 9: ● Black	Core 34: ● Yellow/Red
Core 10: ● Violet	Core 35: ● Green/Black
Core 11: ● Grey/Pink	Core 36: ● Yellow/Black
Core 12: ● Red/Blue	Core 37: ● Grey/Blue
Core 13: ● White/Green	Core 38: ● Pink/Blue
Core 14: ● Brown/Green	Core 39: ● Grey/Red
Core 15: ● White/Yellow	Core 40: ● Pink/Red
Core 16: ● Yellow/Brown	Core 41: ● Grey/Black
Core 17: ● White/Grey	Core 42: ● Pink/Black
Core 18: ● Grey/Brown	Core 43: ● Blue/Black
Core 19: ● White/Pink	Core 44: ● Red/Black
Core 20: ● Pink/Brown	Core 45: ● White/Brown/Black
Core 21: ● White/Blue	Core 46: ● Yellow/Green/Black
Core 22: ● Brown/Blue	Core 47: ● Grey/Pink/Black
Core 23: ● White/Red	Core 48: ● Red/Blue/Black
Core 24: ● Brown/Red	Core 49: ● White/Green/Black
Core 25: ● White/Black	Core 50: ● Brown/Green/Black

DIMENSIONS

ELAND PART NO.	NO. OF CORES	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			
A5CY100025	1	0.25	14	0.16	75.5	4	14
A5CY10050	1	0.5	16	0.21	37.8	3.3	20
A5CY10075	1	0.75	24	0.21	25.3	3.5	24
A5CY10010	1	1	32	0.21	19.5	3.9	29
A5CY200014	2	0.14	18	0.1	138	3.7	21
A5CY200025	2	0.25	14	0.16	75.5	4.3	20
A5CY200034	2	0.34	19	0.16	57.7	4.7	33
A5CY20050	2	0.5	16	0.21	37.8	5.2	42
A5CY20075	2	0.75	24	0.21	25.3	5.8	50
A5CY20010	2	1	32	0.21	19.5	6.3	74
A5CY20015	2	1.5	29	0.25	13.3	7.1	86
A5CY300014	3	0.14	18	0.1	138	3.9	25
A5CY300025	3	0.25	14	0.16	75.5	4.5	35
A5CY300034	3	0.34	19	0.16	57.7	4.9	41
A5CY30050	3	0.5	16	0.21	37.8	5.7	55
A5CY30075	3	0.75	24	0.21	25.3	6.3	71
A5CY30010	3	1	32	0.21	19.5	6.8	89
A5CY30015	3	1.5	29	0.25	13.3	7.5	107
A5CY400014	4	0.14	18	0.1	138	4.1	29
A5CY400025	4	0.25	14	0.16	75.5	4.8	44
A5CY400034	4	0.34	19	0.16	57.7	5.5	48
A5CY40050	4	0.5	16	0.21	37.8	6.3	68
A5CY40075	4	0.75	24	0.21	25.3	7	78
A5CY40010	4	1	32	0.21	19.5	7.4	107
A5CY40015	4	1.5	29	0.25	13.3	8.1	129
A5CY500014	5	0.14	18	0.1	138	4.6	35
A5CY500025	5	0.25	14	0.16	75.5	5.2	50
A5CY500034	5	0.34	19	0.16	57.7	6.2	58
A5CY50050	5	0.5	16	0.21	37.8	7	82
A5CY50075	5	0.75	24	0.21	25.3	7.6	100
A5CY50010	5	1	32	0.21	19.5	8	132
A5CY50015	5	1.5	29	0.25	13.3	8.8	150
A5CY600014	6	0.14	18	0.1	138	4.9	38
A5CY600025	6	0.25	14	0.16	75.5	5.8	58
A5CY60050	6	0.5	16	0.21	37.8	7.3	104
A5CY700014	7	0.14	18	0.1	138	5	41
A5CY700025	7	0.25	14	0.16	75.5	5.8	60
A5CY700034	7	0.34	19	0.16	57.7	6.7	70
A5CY70050	7	0.5	16	0.21	37.8	7.6	109
A5CY70075	7	0.75	24	0.21	25.3	8.2	131
A5CY70010	7	1	32	0.21	19.5	8.6	158
A5CY70015	7	1.5	29	0.25	13.3	9.5	192
A5CY800014	8	0.14	18	0.1	138	5	45
A5CY800025	8	0.25	14	0.16	75.5	6.4	67
A5CY800034	8	0.34	19	0.16	57.7	7.3	93
A5CY80050	8	0.5	16	0.21	37.8	8.1	123

ELAND PART NO.	NO. OF CORES	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			
A5CY80075	8	0.75	24	0.21	25.3	8.7	151
A5CY80015	8	1.5	29	0.25	13.3	10.6	219
A5CY1000014	10	0.14	18	0.1	138	5.5	49
A5CY1000025	10	0.25	14	0.16	75.5	7.5	81
A5CY1000034	10	0.34	19	0.16	57.7	8.3	110
A5CY100050	10	0.5	16	0.21	37.8	9.3	135
A5CY1200014	12	0.14	18	0.1	138	6.3	61
A5CY1200024	12	0.25	14	0.16	75.5	7.7	91
A5CY1200034	12	0.34	19	0.16	57.7	8.5	120
A5CY120050	12	0.5	16	0.21	37.8	9.6	160
A5CY1200075	12	0.75	24	0.21	25.3	10.8	218
A5CY12010	12	1	32	0.21	19.5	11.4	254
A5CY1400014	14	0.14	18	0.1	138	6.7	67
A5CY1400025	14	0.25	14	0.16	75.5	8	116
A5CY1600014	16	0.14	18	0.1	138	7	81
A5CY1600025	16	0.25	14	0.16	75.5	8.4	133
A5CY1600034	16	0.34	19	0.16	57.7	9.4	147
A5CY160050	16	0.5	16	0.21	37.8	10.9	210
A5CY1800014	18	0.14	18	0.1	138	7.3	92
A5CY1800025	18	0.25	14	0.16	75.5	8.8	137
A5CY1800034	18	0.34	19	0.16	57.7	10.2	172
A5CY180050	18	0.5	16	0.21	37.8	11	210
A5CY180075	18	0.75	24	0.21	25.3	12.5	300
A5CY2000014	20	0.14	18	0.1	138	7.6	104
A5CY200050	20	0.5	16	0.21	37.8	12	270
A5CY2400014	24	0.14	18	0.1	138	8.3	118
A5CY2400025	24	0.25	14	0.16	75.5	10.5	185
A5CY2400034	24	0.34	19	0.16	57.7	11.7	229
A5CY240050	24	0.5	16	0.21	37.8	13.2	320
A5CY2500014	25	0.14	18	0.1	138	8.5	120
A5CY2500025	25	0.25	14	0.16	75.5	10.7	190
A5CY2700014	27	0.14	18	0.1	138	8.5	123
A5CY2700025	27	0.25	14	0.16	75.5	10.9	200
A5CY3000025	30	0.25	14	0.16	75.5	11	214
A5CY3200025	32	0.25	14	0.16	75.5	11.4	227
A5CY320050	32	0.5	16	0.21	37.8	14.5	360
A5CY3600014	36	0.14	18	0.1	138	9.3	157
A5CY3600025	36	0.25	14	0.16	75.5	11.8	250
A5CY40025	40	0.25	14	0.16	75.5	12.2	289
A5CY5000014	50	0.14	18	0.1	138	12	320
A5CY540014	52	0.14	18	0.1	138	11.1	212
A5CY5200025	52	0.25	14	0.16	75.5	13.6	340

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.