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ELAND[®]
CABLES

LifY Single Core Cable



Eland Product Group: A2T

APPLICATION

The LifY single cores are used as highly flexible insulated strand wires for switch cabinets, and as measuring cable for testing, laboratories and research.

CHARACTERISTICS

Voltage Rating (U_o/U)
0.5mm² - 1mm²: 300/500V
From 1.5mm²: 450/750V

Test Voltage
up to 0.25 mm²: 2 kV
0.5-1 mm²: 2.5 kV
from 1.5 mm²: 3 kV

Temperature Rating
Flexing: -15°C to +80°C

Minimum Bending Radius
Flexing: 8 x overall diameter

CONSTRUCTION

Conductor
Bare copper extra fine wire conductor

Insulation
PVC (Polyvinyl Chloride)

Insulation Colour
● Green ● Black ● Red ● Blue ● Brown ○ White ● Grey
● Violet ● Yellow ● Orange ● Transparent ● Pink
● Beige ● Dark Blue

STANDARDS

DIN VDE 0250, DIN VDE 0285-525-1 / DIN EN 50525-1

PVC self-extinguishing and flame retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / 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 product drawings.



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 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 CORES	NOMINAL CROSS SECTIONAL AREA mm ²	APPROXIMATE AWG	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
B3T01000010**	1	0.1	-	1.0	2.1
B3T01000014**	1	0.14	26	1.0	2.6
B3T01000025**	1	0.25	24	1.3	4.2
B3T0100005**	1	0.5	20	2.0	8.0
B3T0100075**	1	0.75	18	2.2	12.0
B3T010010**	1	1	17	2.5	18.0
B3T010015**	1	1.5	16	3.5	22.0
B3T010025**	1	2.5	14	3.8	37.0
B3T010040**	1	4	12	4.9	50.0
B3T010060**	1	6	10	6.0	71.0
B3T01010**	1	10	8	7.3	130.0
B3T01016**	1	16	6	8.8	187.0
B3T01025**	1	25	4	10.5	294.0
B3T01035**	1	35	2	11.7	380.0
B3T01050**	1	50	1	14.7	521.0
B3T01070**	1	70	2/0	15.5	740.0

** Designates the sheath colour. For each Eland Cables part number replace with the colour code as listed below. e.g. B3T0100075WH = 0.75mm² White

COLOUR CODES

COLOUR	Black	Green	Blue	Beige	Trans- parent	Dark Blue	Grey	Green/ Yellow	Orange	Red	Pink	Yellow	Violet	Brown	White
CODE	BK	GN	BL	BE	TR	DKBL	GR	GY	OR	RD	PK	YW	VI	BR	WH