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**ELAND<sup>®</sup>  
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<sub>o</sub>/U)

0.5mm<sup>2</sup> - 1mm<sup>2</sup>: 300/500V

From 1.5mm<sup>2</sup>: 450/750V

#### Test Voltage

up to 0.25 mm<sup>2</sup>: 2 kV

0.5-1 mm<sup>2</sup>: 2.5 kV

from 1.5 mm<sup>2</sup>: 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

### THE CABLE LAB<sup>®</sup>

AN ISO/IEC 17025 AND IECEE 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](http://www.elandcables.com/company/about-us/esg-sustainability)



### 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 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab<sup>®</sup>.





## DIMENSIONS

| ELAND PART NO. | NO. OF CORES | NOMINAL CROSS SECTIONAL AREA<br>mm <sup>2</sup> | APPROXIMATE<br>AWG | NOMINAL OVERALL<br>DIAMETER<br>mm | NOMINAL<br>WEIGHT<br>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 = 0.75mm<sup>2</sup> White

## COLOUR CODES

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