

FL2G Cable



Eland Product Group:

APPLICATION

FL2G Cables are silicone rubber insulated single-core unshielded low-tension wires used in the automotive industry as battery lead wires. Offers resistance against oils, fuels, acids, lyes and organic media, and excellent protection against breaking fluids. Heat resistant.

CHARACTERISTICS

Temperature Rating

-40°C to +200°C

CONSTRUCTION

Conductor

Cu-ETP1 Bare Copper

Insulation

Silicone rubber

Sheath Colour

● Red ● Black ● Blue ● Yellow ● Grey ● Brown ○ White
● Violet ● Green ● Natural

STANDARDS

ISO 6722 Class F

THE CABLE LAB®

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



SCIENCE
BASED
TARGETS

BUSINESS
AMBITION FOR 1.5°C



REGULATORY COMPLIANCE

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®.





DIMENSIONS

| ELAND PART NUMBER | NO. CORES | NOMINAL CROSS SECTIONAL AREA mm ² | NOMINAL NO. AND DIAMETER OF WIRES no./mm | MAXIMUM DIAMETER OF CONDUCTOR mm | NOMINAL ELECTRICAL RESISTANCE AT 20°C MAX mΩ/m | NOMINAL INSULATION THICKNESS OF WALL mm | NOMINAL OVERALL DIAMETER (MIN) mm | NOMINAL OVERALL DIAMETER (MAX) mm | NOMINAL WEIGHT kg/km |
|----------------------|-----------|--|--|---|---|---|---|---|--------------------------------|
| A2AT00800005** | 1 | 0.5 | 16/0.21 | 1.1 | 37.1 | 0.48 | 2 | 2.3 | 8 |
| A2AT00800075** | 1 | 0.75 | 24/0.21 | 1.3 | 24.7 | 0.48 | 2.2 | 2.5 | 10.6 |
| A2AT0080010** | 1 | 1.0 | 32/0.21 | 1.5 | 18.5 | 0.48 | 2.4 | 2.7 | 13.5 |
| A2AT0080015** | 1 | 1.5 | 30/0.26 | 1.8 | 12.7 | 0.48 | 2.7 | 3 | 17.9 |
| A2AT0080025** | 1 | 2.5 | 50/0.26 | 2.2 | 7.6 | 0.56 | 3.3 | 3.6 | 29.5 |
| A2AT0080040** | 1 | 4.0 | 56/0.31 | 2.8 | 4.71 | 0.64 | 4 | 4.4 | 46.7 |
| A2AT0080060** | 1 | 6.0 | 84/0.31 | 3.4 | 3.14 | 0.64 | 4.6 | 5 | 66 |
| A2AT008010** | 1 | 10 | 80/0.41 | 4.5 | 1.82 | 0.8 | 5.9 | 6.5 | 113 |
| A2AT008016** | 1 | 16 | 126/0.41 | 6.3 | 1.16 | 0.8 | 7.7 | 8.3 | 173 |
| A2AT008025** | 1 | 25 | 196/0.41 | 7.8 | 0.743 | 1.04 | 9 | 10 | 266 |
| A2AT008035** | 1 | 35 | 276/0.41 | 9 | 0.527 | 1.04 | 10.4 | 11 | 361 |
| A2AT008050** | 1 | 50 | 396/0.41 | 10.5 | 0.368 | 1.25 | 12.4 | 13.5 | 526 |
| A2AT008070** | 1 | 70 | 360/0.51 | 12.5 | 0.259 | 1.25 | 14.2 | 15.5 | 750 |

| COLOUR | Red | Black | Blue | Yellow | Grey | Brown | White | Violet | Green | Natural | | | | |
|--------|-----|-------|------|--------|------|-------|-------|--------|-------|---------|--|--|--|--|
| CODE | RD | BK | BL | YW | GR | BR | WH | VI | GN | NT | | | | |