

FLR12Y-B Cable



Eland Product Group: A2A

APPLICATION

The FLR12Y-B cable is a reduced wall thickness TPE-E insulated single-core cable for automotive applications used for cable harnesses.

CHARACTERISTICS

Temperature Rating

-40°C to +150°C

CONSTRUCTION

Conductor

Bare Copper ETP1 (Type B)

Insulation

TPE-E (Thermoplastic Elastomer)

Sheath Colour

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

STANDARDS

DIN EN 13602, ISO 6722 Class D

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IEC EE 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



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 NO. | NUMBER OF CORES | NOMINAL CROSS SECTIONAL AREA mm ² | NOMINAL NO. AND WIRES DIAMETER No/mm | MAXIMUM CONDUCTOR DIAMETER mm | NOMINAL THICKNESS INSULATION mm | MINIMUM OVERALL DIAMETER mm | MAXIMUM OVERALL DIAMETER mm | NOMINAL WEIGHT kg/km |
|-----------------|-----------------|--|--------------------------------------|-------------------------------|---------------------------------|-----------------------------|-----------------------------|----------------------|
| A2AT026000035** | 1 | 0.35 | 12/0.21 | 0.90 | 0.20 | 1.3 | 1.4 | 4.5 |
| A2AT026000005** | 1 | 0.50 | 16/0.21 | 1.00 | 0.22 | 1.5 | 1.6 | 6.6 |
| A2AT026000075** | 1 | 0.75 | 24/0.21 | 1.20 | 0.24 | 1.8 | 1.9 | 9.0 |
| A2AT0260010** | 1 | 1.00 | 32/0.21 | 1.35 | 0.24 | 2.0 | 2.1 | 11 |
| A2AT0260015** | 1 | 1.50 | 30/0.26 | 1.70 | 0.24 | 2.3 | 2.4 | 16 |
| A2AT0260025** | 1 | 2.50 | 50/0.26 | 2.20 | 0.28 | 2.9 | 3.0 | 26 |
| A2AT0260040** | 1 | 4.00 | 56/0.31 | 2.75 | 0.32 | 3.6 | 3.7 | 42 |
| A2AT0260060** | 1 | 6.00 | 84/0.31 | 3.30 | 0.32 | 4.2 | 4.3 | 61 |



ELECTRICAL CHARACTERISTICS

| NOMINAL CROSS SECTIONAL AREA mm ² | MAXIMUM CONDUCTOR ELECTRICAL RESISTANCE AT 20 °C mΩ/m |
|--|--|
| 0.35 | 55.5 |
| 0.50 | 38.2 |
| 0.75 | 25.4 |
| 1.00 | 19.1 |
| 1.50 | 13.0 |
| 2.50 | 7.82 |
| 4.00 | 4.85 |
| 6.00 | 3.23 |

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