

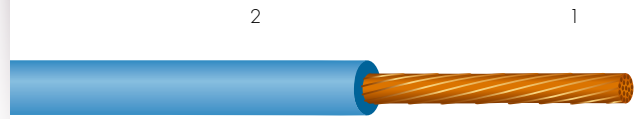
CABLE SOLUTIONS
FOR AUTOMOTIVE AND E-MOBILITY

LOW VOLTAGE SINGLE CORE CABLES

PLASTHERM® FLR11Y

-40°C to +150°C

**Class D according to ISO 6722-1
and ISO 19642-3**



- 1 • Bare or tinned copper core according to ISO 6722-1, ISO 19642-3 and EN 13602
- 2 • TPE-U insulation

Approvals - standards

- ISO 6722-1, ISO 19642-1, ISO 19642-3,
EN 13602

Colour code

Black, Blue, Brown, Green, Orange, Red, Purple, White, Yellow
(others on request)

Applications

- Low voltage wires for general automotive wiring.
Version with a reduced insulation
according to ISO 6722-1 and ISO 19642-3

Option

- Flexible version with Type C - core according to ISO 6722-1 and ISO 19642-3

CONSTRUCTION ACCORDING TO ISO 6722-1 AND ISO 19642-3

| Nominal Cross section (mm ²) | Type A | Type B | Thin wall | | | Bare copper | Tinned copper |
|---|---|---|---|---|--|--|--|
| | Number of strands & strand diameter nom. / max. (nb. x mm) | Number of strands & strand diameter nom. / max. (nb. x mm) | Insulation thickness nom. (mm) | Insulation thickness min. (mm) | Outside wire diameter max. (mm) | Maximum linear resistance at 20°C (Ω/ km) | Maximum linear resistance at 20°C (Ω/ km) |
| 0.35 | 7 x 0.27 | 12 x 0.21 | 0.25 | 0.20 | 1.40* | 54.4 | 55.5 |
| 0.50 | 19 x 0.19 | 16 x 0.21 | 0.28 | 0.22 | 1.60 | 37.1 | 38.2 |
| 0.75 | 19 x 0.24 | 24 x 0.21 | 0.30 | 0.24 | 1.90 | 24.7 | 25.4 |
| 1 | 19 x 0.27 | 32 x 0.21 | 0.30 | 0.24 | 2.10 | 18.5 | 19.1 |
| 1.25 | 19 x 0.30 | 16 x 0.33 | 0.30 | 0.24 | 2.30 | 14.9 | 15.9 |
| 1.5 | 19 x 0.33 | 30 x 0.26 | 0.30 | 0.24 | 2.40 | 12.7 | 13.0 |
| 2 | 19 x 0.38 | 28 x 0.31 | 0.35 | 0.28 | 2.80 | 9.42 | 9.69 |
| 2.5 | 37 x 0.28 | 50 x 0.26 | 0.35 | 0.28 | 3.00 | 7.60 | 7.82 |
| 3 | - | 44 x 0.31 | 0.40 | 0.32 | 3.40 | 6.15 | 6.36 |
| 4 | - | 56 x 0.31 | 0.40 | 0.32 | 3.70 | 4.71 | 4.85 |
| 5 | - | 65 x 0.33 | 0.40 | 0.32 | 4.20 | 3.94 | 4.02 |
| 6 | - | 84 x 0.31 | 0.40 | 0.32 | 4.30 | 3.14 | 3.23 |
| 8 | - | 50 x 0.46 | 0.40 | 0.32 | 5.00 | 2.38 | 2.52 |
| 10 | - | 80 x 0.41 | 0.60 | 0.48 | 6.00 | 1.82 | 1.85 |
| 12 | - | 96 x 0.41 | 0.60 | 0.48 | 6.50 | 1.52 | 1.60 |
| 16 | - | 126 x 0.41 | 0.65 | 0.52 | 7.20 | 1.16 | 1.18 |
| 20 | - | 152 x 0.41 | 0.65 | 0.52 | 7.80 | 0.955 | 0.999 |
| 25 | - | 196 x 0.41 | 0.65 | 0.52 | 8.70 | 0.743 | 0.757 |
| 30 | - | 224 x 0.41 | 0.80 | 0.64 | 9.60 | 0.647 | 0.684 |
| 35 | - | 276 x 0.41 | 0.80 | 0.64 | 10.40 | 0.527 | 0.538 |
| 40 | - | 308 x 0.41 | 0.90 | 0.71 | 11.10 | 0.473 | 0.500 |
| 50 | - | 396 x 0.41 | 0.90 | 0.71 | 12.20 | 0.368 | 0.375 |
| 60 | - | 296 x 0.51 | 1.00 | 0.80 | 13.30 | 0.315 | 0.333 |
| 70 | - | 360 x 0.51 | 1.00 | 0.80 | 14.40 | 0.259 | 0.264 |
| 95 | - | 475 x 0.51 | 1.10 | 0.90 | 16.70 | 0.196 | 0.200 |

* The outside wire diameter for 0.35 mm² Type A with 7 strands shall be max 1.30 mm.

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LES CABLES DE L'EXTREME

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