

FLRYW with thin wall PVC insulation

Type A / Type B, hot-pressure resistant



Temperature range (3,000 hrs)

-40 °C to +125 °C

Construction / materials

| | |
|------------|--|
| Conductor | Soft-annealed electrolytic copper Cu-ETP1 acc. to DIN EN 13602, bare or tinned conductor constr. acc. to ISO 6722-1 |
| Insulation | Soft-PVC with properties according to ISO 6722-1, Class C |

Special properties

- Heat resistant cable
- Suitable for applications inside the engine compartment

Standards / specifications

DBL 6312 · Ford ES-AU5T-1A348

| Nominal cross-section | Conductor construction | | | | Insulation Wall thickness min. | Cable | | Weight approx. kg/km |
|-----------------------|------------------------|---------------------------|-------------------------|--|--------------------------------------|----------------|-----------------|----------------------------|
| | No. of strands* | Diam. of single wire max. | Diam. of conductor max. | Electr. resistance at 20 °C bare/tinned max. | | Outer diameter | | |
| | | | | | | max. | Limit tolerance | |
| mm ² | | mm | mm | mΩ/m | mm | mm | | |
| FLRYW – Type A | | | | | | | | |
| 0.35 | 7 | 0.26 | 0.8 | 54.4 / 55.5** | 0.20 | 1.3 | -0.1 | 5 |
| 0.5 | 19 | 0.19 | 1.0 | 37.1 / 38.2 | 0.22 | 1.6 | -0.2 | 7 |
| 0.75 | 19 | 0.23 | 1.2 | 24.7 / 25.4 | 0.24 | 1.9 | -0.2 | 9 |
| 1 | 19 | 0.26 | 1.35 | 18.5 / 19.1 | 0.24 | 2.1 | -0.2 | 11 |
| 1.25 | 19 | 0.30 | 1.7 | 14.9 / 15.9 | 0.24 | 2.3 | -0.2 | 12 |
| 1.5 | 19 | 0.32 | 1.7 | 12.7 / 13.0 | 0.24 | 2.4 | -0.2 | 16 |
| 2 | 19 | 0.38 | 2.0 | 9.42 / 9.69 | 0.28 | 2.8 | -0.3 | 22 |
| FLRYW – Type B | | | | | | | | |
| 0.35 | 12 | 0.21 | 0.9 | 54.4 / 55.5** | 0.20 | 1.4 | -0.2 | 5 |
| 0.5 | 16 | 0.21 | 1.0 | 37.1 / 38.2 | 0.22 | 1.6 | -0.2 | 7 |
| 0.75 | 24 | 0.21 | 1.2 | 24.7 / 25.4 | 0.24 | 1.9 | -0.2 | 9 |
| 1 | 32 | 0.21 | 1.35 | 18.5 / 19.1 | 0.24 | 2.1 | -0.2 | 11 |
| 1.25 | 16 | 0.33 | 1.7 | 14.9 / 15.9 | 0.24 | 2.3 | -0.2 | 12 |
| 1.5 | 30 | 0.26 | 1.7 | 12.7 / 13.0 | 0.24 | 2.4 | -0.2 | 16 |
| 2 | 28 | 0.31 | 2.0 | 9.42 / 9.69 | 0.28 | 2.8 | -0.3 | 22 |
| 2.5 | 50 | 0.26 | 2.2 | 7.6 / 7.8 | 0.28 | 3.0 | -0.3 | 26 |
| 3 | 45 | 0.31 | 2.4 | 6.15 / 6.36 | 0.32 | 3.4 | -0.3 | 33 |
| 4 | 56 | 0.31 | 2.75 | 4.71 / 4.85 | 0.32 | 3.7 | -0.3 | 42 |
| 5 | 65 | 0.33 | 3.1 | 3.94 / 4.02 | 0.32 | 4.2 | -0.3 | 50 |
| 6 | 84 | 0.31 | 3.3 | 3.14 / 3.23 | 0.32 | 4.3 | -0.3 | 61 |
| 8 | 50 | 0.46 | 4.3 | 2.38 / 2.52 | 0.32 | 5.0 | -0.4 | 82 |
| 10 | 80 | 0.41 | 4.5 | 1.82 / 1.85 | 0.48 | 5.8 | -0.4 | 108 |
| 12 | 96 | 0.41 | 5.4 | 1.52 / 1.6 | 0.48 | 6.5 | -0.7 | 120 |
| 16 | 126 | 0.41 | 5.5 | 1.16 / 1.18 | 0.52 | 7.0 | -0.5 | 170 |
| 20 | 152 | 0.41 | 6.9 | 0.955 / 0.999 | 0.52 | 7.8 | -0.8 | 192 |
| 25 | 196 | 0.41 | 7.0 | 0.743 / 0.757 | 0.52 | 8.7 | -0.8 | 265 |

* Nominal value, tolerance of number of strands $\geq 6.0 \text{ mm}^2$ are permitted ($\pm 5\%$).

** Also available with resistance values 52.0 / 53.1 mΩ/m bare / tinned.

