



FlexLite DW

Dual-wall primary wire



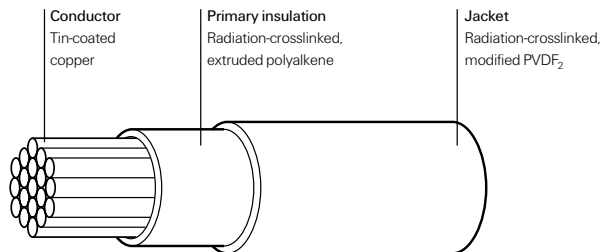
Applications

FlexLite DW (FLDW) offers a high-performance non melting insulation suitable for a variety of applications, especially those with occasional high-temperature excursions, such as high-power battery-operated devices or intermittent-duty motors or heating elements.

Features and benefits

- UL rated operating temperature to 125°C.
- Non melting insulation material.
- Thin-wall product for size and weight savings.
- Excellent chemical resistance.
- Dual-wall construction for increased mechanical performance.
- Compatibility with automated stripping equipment.
- Variety of colors and constructions.

| Available in: | Americas | Europe | Asia Pacific |
|---------------|----------|--------|--------------|
| | ■ | ■ | ■ |



| Specifications/approvals | | | | |
|--------------------------|--------------------------|------------|-----------------|----------|
| Series | UL | CUL | CSA | Raychem |
| DW | Style 3584 | Recognized | Certified AWMIA | WCD-3106 |
| | Flammability VW-1 | | | |
| | Temperature rating 125°C | | | |

Fax-on-demand

US only (800) 260-9099

Outside US (650) 257-2301

Visit our website at www.tycoelectronics.com

Construction details—dimensions in mm/in

| Part number | Conductor | | | | Maximum resistance at 20°C Ω/km ($\Omega/1000\text{ft}$) | Finished wire | | | Nominal weight in kg/km (lb/1000 ft) |
|---------------|--------------------------------|-----------|--------------|-------------|---|-------------------|--------------|-------------------|---|
| | Wire size (AWG) (no. x AWG) | Stranding | Diameter | Diameter | | Lower spec. limit | Target value | Upper spec. limit | |
| | | | | | | | | | |
| FLDWCO311-26* | 26 | 19 x 38 | .470 (.0185) | 135 (41.30) | .965 (.038) | 1.02 (.040) | 1.07 (.042) | 2.38 (1.6) | |
| FLDWCO311-24* | 24 | 19 x 36 | .597 (.0235) | 83.3 (25.4) | 1.12 (.044) | 1.17 (.046) | 1.22 (.048) | 3.57 (2.4) | |
| FLDWCO311-22* | 22 | 19 x 34 | .749 (.0295) | 52.2 (15.9) | 1.32 (.052) | 1.37 (.054) | 1.42 (.056) | 5.21 (3.5) | |
| FLDWCO311-20* | 20 | 19 x 32 | .953 (.0375) | 32.0 (9.76) | 1.52 (.060) | 1.57 (.062) | 1.63 (.064) | 7.59 (5.1) | |
| FLDWCO311-18* | 18 | 19 x 30 | 1.18 (.0465) | 20.4 (6.22) | 1.78 (.070) | 1.85 (.073) | 1.93 (.076) | 11.46 (7.7) | |
| FLDWCO311-16* | 16 | 19 x 29 | 1.33 (.0525) | 15.8 (4.82) | 1.98 (.078) | 2.06 (.081) | 2.13 (.084) | 14.58 (9.8) | |
| FLDWCO311-14* | 14 | 19 x 27 | 1.68 (.0660) | 10.0 (3.05) | 2.39 (.094) | 2.49 (.098) | 2.59 (.102) | 21.88 (14.7) | |
| FLDWCO311-12* | 12 | 37 x 28 | 2.16 (.0850) | 6.76 (2.02) | 2.87 (.113) | 2.97 (.117) | 3.07 (.121) | 32.89 (22.1) | |

* Replace asterisk with color code designator:
 0 = Black 3 = Orange 7 = Violet
 1 = Brown 4 = Yellow 8 = Gray
 2 = Red 5 = Green 9 = White
 For example: FLDWCO311-20-9 = AWG 20, white.
 FLDWCO311-1.00-9 = Size 1.00 mm², white.

Construction details

| Nominal CSA Part number | Conductor | | | | Maximum resistance at 20°C $\Omega/1000\text{ft}$ | Finished wire | | | Nominal weight in kg/km (lb/1000 ft) |
|----------------------------|---------------------------------|---------------------------|------------------|-------------|--|-------------------|--------------|-------------------|---|
| | Wire size (mm ²) | Stranding (no. x dia.) | Diameter (mm/in) | | | Lower spec. limit | Target value | Upper spec. limit | |
| | | | (min.) | (max.) | | | | | |
| FLDWCO311-0.25* | 0.25 | 19 x 0.127 | 0.55 (.022) | 0.63 (.025) | 83.6 (25.5) | 1.12 (.044) | 1.17 (.046) | 1.22 (.048) | 3.77 (2.53) |
| FLDWCO311-0.35* | 0.35 | 19 x 0.15 | 0.72 (.028) | 0.77 (.030) | 56.1 (17.1) | 1.31 (.052) | 1.37 (.054) | 1.42 (.056) | 5.17 (3.46) |
| FLDWCO311-0.50* | 0.50 | 19 x 0.19 | 0.86 (.034) | 0.88 (.035) | 40.1 (12.2) | 1.46 (.057) | 1.51 (.059) | 1.56 (.061) | 6.92 (4.64) |
| FLDWCO311-0.75* | 0.75 | 19 x 0.23 | 1.05 (.041) | 1.08 (.043) | 24.7 (7.53) | 1.65 (.065) | 1.70 (.067) | 1.75 (.069) | 9.53 (6.39) |
| FLDWCO311-1.00* | 1.00 | 19 x 0.25 | 1.17 (.046) | 1.26 (.050) | 20.0 (6.1) | 1.78 (.070) | 1.85 (.073) | 1.93 (.076) | 11.88 (7.96) |
| FLDWCO311-1.50* | 1.50 | 19 x 0.32 | 1.46 (.057) | 1.51 (.059) | 13.7 (4.2) | 2.21 (.095) | 2.28 (.090) | 2.36 (.093) | 17.88 (11.98) |

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 FLDWCO311-1.00-9 = Size 1.00 mm², white.

Users should independently evaluate the suitability of the product for their application.
 Before ordering check with factory for most current data.