

Dual-Wall Primary Wire

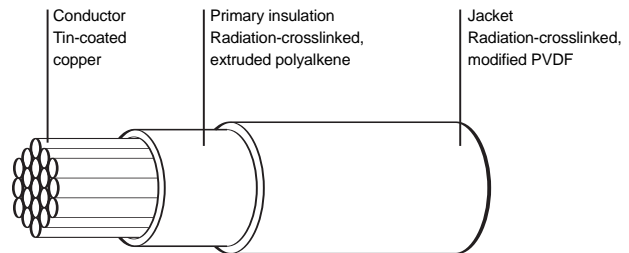
Product Facts

- UL rated operating temperature to 125°C [257°F]
- 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



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.



Specifications/Approvals

Series	UL	CUR	CSA	Raychem
DW	Style 3584 Flammability VW-1 Temperature rating 125°C [257°F]	Recognized	Certified AWMIA	WCD-3106

Available in:	Americas	Europe	Asia Pacific
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Construction Details

Part No.	Wire Size (AWG)	Conductor Stranding (No. x AWG)	Nominal Diameter mm [inch]	Finished Wire Maximum Resistance at 20°C (68°F) Ω/km [Ω/1000 ft]	Diameter			Nominal Weight in kg/km [lb/1000 ft]
					Minimum mm [inch]	Nominal mm [inch]	Maximum mm [inch]	
FLDWC0311-26-*	26	19 x 38	.470 [.0185]	132 [40.1]	.965 [.038]	1.02 [.040]	1.07 [.042]	2.38 [1.6]
FLDWC0311-24-*	24	19 x 36	.597 [.0235]	83.3 [25.4]	1.12 [.044]	1.17 [.046]	1.22 [.048]	3.57 [2.4]
FLDWC0311-22-*	22	19 x 34	.749 [.0295]	52.2 [15.9]	1.32 [.052]	1.37 [.054]	1.42 [.056]	5.21 [3.5]
FLDWC0311-20-*	20	19 x 32	.953 [.0375]	32.0 [9.76]	1.52 [.060]	1.57 [.062]	1.63 [.064]	7.59 [5.1]
FLDWC0311-18-*	18	19 x 30	1.18 [.0465]	20.4 [6.22]	1.78 [.070]	1.85 [.073]	1.93 [.076]	11.46 [7.7]
FLDWC0311-16-*	16	19 x 29	1.33 [.0525]	15.8 [4.82]	1.98 [.078]	2.06 [.081]	2.13 [.084]	14.58 [9.8]
FLDWC0311-14-*	14	19 x 27	1.68 [.0660]	10.0 [3.05]	2.39 [.094]	2.49 [.098]	2.59 [.102]	21.88 [14.7]
FLDWD0311-12-*	12	37 x 28	2.16 [.0850]	6.59 [2.01]	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: FLDWC0311-20-9 = AWG 20, white.

Construction Details

Nominal CSA Part No.	Wire Size (mm ²)	Conductor Stranding (No. x Dia.)	Diameter		Finished Wire Maximum Resistance at 20°C (68°F) Ω/km [Ω/1000 ft]	Diameter			Nominal Weight in kg/km [lb/1000 ft]
			(min.) mm [inch]	(max.) mm [inch]		Lower Spec. Limit mm [inch]	Target Value mm [inch]	Upper Spec. Limit mm [inch]	
FLDWC0311-0.25*	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]
FLDWC0311-0.35*	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]
FLDWC0311-0.50*	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]
FLDWC0311-0.75*	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]
FLDWC0311-1.00*	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]
FLDWC0311-1.50*	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]

* Replace asterisk with color code designator:
 0 = Black 3 = Orange 6 = Blue 9 = White
 1 = Brown 4 = Yellow 7 = Violet
 2 = Red 5 = Green 8 = Gray
 For example: FLDWC0311-20-9 = AWG 20, white.
 FLDWC0311-1.00-9 = Size 1.00 mm², white.

For product requiring CUR (Canadian UL) or CSA marking in 14-10 AWG, 19 strand conductors only, the part numbering descriptions above DO NOT apply. Please contact Tyco Electronics for further information.