



# FlexLite DW

Dual-wall primary wire



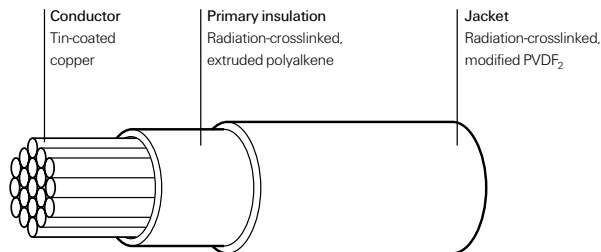
## Applications

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.

<b>Available in:</b>	Americas	Europe	Asia Pacific
	■	■	■



<b>Specifications/approvals</b>				
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

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**Construction details—dimensions in mm/in**

Part number	Conductor				Maximum resistance at 20°C $\Omega/\text{km}$ ( $\Omega/1000\text{ft}$ )	Finished wire			Nominal weight in kg/km (lb/1000 ft)
	Wire size (AWG) (no. x AWG)	Stranding	Diameter	Diameter		Lower	Target	Upper	
						spec. limit	value	spec. limit	
FLDWC0311-26*	26	19 x 38	.470 (.0185)	135 (41.30)	.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)	
FLDWC0311-12*	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: FLDWC0311-20-9 = AWG 20, white.  
 FLDWC0311-1.00-9 = Size 1.00 mm<sup>2</sup>, 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 <sup>2</sup> )	Stranding (no. x dia.)	Diameter (mm/in)			Lower	Target	Upper	
			(min.)	(max.)		spec. limit	value	spec. limit	
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)

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 For example: FLDWC0311-20-9 = AWG 20, white.  
 FLDWC0311-1.00-9 = Size 1.00 mm<sup>2</sup>, white.

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