

Fax-on-Demand: (800) 260-9099
(650) 361-6523

Before ordering check with factory for most current data.

FlexLite DW

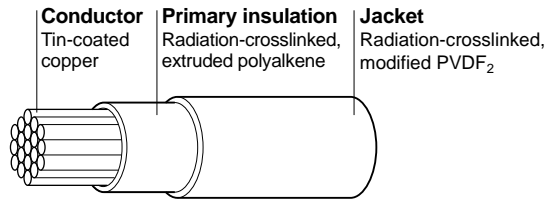
Dual-wall primary wire

Applications

FlexLite DW (FLDW) offers a high-performance nonflowing 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.
- Nonflowing 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.



Specifications/Approvals

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

Construction Details—dimensions in mm/in

Part number	Wire size (AWG)	Conductor Stranding (no. x AWG)	Diameter target value	Maximum resistance at 20°C Ω/km (Ω/1000 ft)	Finished Wire Diameter			Nominal weight in kg/km (lb/1000 ft)
					Lower spec. limit	Target value	Upper spec. limit	
FLDWB0311-28-*	28	7 x 36	.368 (.0145)	225 (68.60)	.838 (.033)	.889 (.035)	.940 (.037)	1.64 (1.1)
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	.594 (.0235)	85.9 (26.20)	1.12 (.044)	1.17 (.046)	1.22 (.048)	3.57 (2.4)
FLDWC0311-22-*	22	19 x 34	.749 (.0295)	53.1 (16.20)	1.32 (.052)	1.37 (.054)	1.42 (.056)	5.21 (3.5)
FLDWC0311-20-*	20	19 x 32	.953 (.0375)	33.1 (10.10)	1.52 (.060)	1.57 (.062)	1.63 (.064)	7.59 (5.1)
FLDWC0311-18-*	18	19 x 30	1.18 (.0465)	20.8 (6.35)	1.78 (.070)	1.85 (.073)	1.93 (.076)	11.46 (7.7)
FLDWC0311-16-*	16	19 x 29	1.33 (.0525)	16.1 (4.91)	1.98 (.078)	2.06 (.081)	2.13 (.084)	14.58 (9.8)
FLDWC0311-14-*	14	19 x 27	1.68 (.0660)	10.2 (3.10)	2.39 (.094)	2.49 (.098)	2.59 (.102)	21.88 (14.7)
FLDWD0311-12-*	12	37 x 28	2.16 (.0850)	6.63 (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 mm², white.

FlexLite is a trademark of Raychem Corporation

Users should independently evaluate the suitability of the product for their application.

Construction Details

Nominal CSA Part number	Wire size (mm ²)	Conductor		Finished wire				
		Stranding (no. x dia)	Diameter (mm/in) (min.) (max.)	Max. resistance at 20°C Ω/km (Ω/1000 ft)	Diameter (mm/in)			Nom. weight in kg/km (lb/1000ft)
					Lower spec. limit	Target value	Upper 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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