

# **Commercial Wire Family**

# Raychem

# Electronics

**Thin-Wall Hookup** Wire and Cable

#### **Product Facts**

- UL rated operating temperature to 135°C [275°F]
- Thin-wall product for size and weight savings
- Tough insulation material
- Excellent chemical resistance
- Gauge sizes from 10-32 AWĞ
- No plasticizers or corrosive outgassing, which can be detrimental to sensitive electrical and electronic components

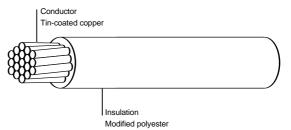


# FlexLite TW



#### Applications

FlexLite TW (FLTW) wire is commonly used in applications that demand smaller, more rugged components, often in elevated temperatures. Designed to offer reduced size while maintaining superior mechanical performance, FLTW in many cases is a lower-cost solution than expensive fluoropolymer wire.



	Available in:	Americas	Europe	Asia Pacific	
				•	
					9-49
Catalog 1654025 Revised 12-04	Dimensions are in millimeters and inches unless otherwise	Dimensions are shown for reference purposes only.	USA: 1-800-522-6752 Canada: 1-905-470-4425	South America: 55-11-3611-1514 Japan: 81-44-900-5102	
www.tycoelectronics.com	specified. Values in brackets are U.S. equivalents.	Specifications subject to change.	Mexico: 01-800-733-8926 C. America: 52-55-5-729-0425	Singapore: 65-4866-151 UK: 44-1793-528171	

www.tycoelectro



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FlexLite TW (Continued)

Specifications/Approvals

Series	UL	CUR	CSA	Raychem
TW	Style 10208 Temperature rating 135°C [275°F]	Recognized	Certified AWMIA	WCD-3106

#### **Construction Details**

Part No.	Wire Size (AWG)	$(No \times AWG)$		Finished Wire Maximum Resistance at 20°C (68°F) Ω/km [Ω /1000 ft]	Diameter			Nominal
			Diameter mm [inch]		Minimum mm [inch]	Nominal mm [inch]	Maximum mm [inch]	Weight in kg/km [Ib/1000 ft]
FLTWC0311-26-*	26	19 x 38	.470 [.0185]	132 [40.1]	.813 [.032]	.864 [.034]	.914 [.036]	1.93 [1.3]
FLTWC0311-24-*	24	19 x 36	.597 [.0235]	83.3 [25.4]	.965 [.038]	1.02 [.040]	1.07 [.042]	2.83 [1.9]
FLTWC0311-22-*	22	19 x 34	.749 [.0295]	52.2 [15.9]	1.14 [.045]	1.19 [.047]	1.24 [.049]	4.17 [2.8]
FLTWC0311-20-*	20	19 x 32	.953 [.0375]	32.0 [9.76]	1.35 [.053]	1.40 [.055]	1.45 [.057]	6.25 [4.2]
FLTWC0311-18-*	18	19 x 30	1.18 [.0465]	20.4 [6.22]	1.60 [.063]	1.65 [.065]	1.70 [.067]	9.52 [6.4]
FLTWC0311-16-*	16	19 x 29	1.33 [.0525]	15.8 [4.82]	1.75 [.069]	1.83 [.072]	1.91 [.075]	12.20 [8.2]
FLTWC0311-14-*	14	19 x 27	1.68 [.0660]	10.0 [3.05]	2.16 [.085]	2.26 [.089]	2.36 [.093]	18.90 [12.7]
FLTWD0311-12-*	12	37 x 28	2.16 [.0850]	6.59 [2.01]	2.64 [.104]	2.74 [.108]	2.84 [.112]	28.87 [19.4]

\* Replace asterisk with color code designator:

0 = Black 3 = Orange 6 = Blue 9 = White

4 = Yellow 5 = Green

 $\begin{array}{l} 1 = Brown & 4 = Yellow & 7 = Violet \\ 2 = Red & 5 = Green & 8 = Gray \\ For example: FLTWC0311-22-9 = AWG 22, white. \end{array}$ 

For product requiring CUR (Canadian UL) or CSA marking in 14-10 AWG, 19 strand conductors only, the part numbering descriptions above D0 N0T apply. Please contact Tyco Electronics for further information.

9-50

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Catalog 1654025 Revised 12-04

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