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.

Conductor
Tin-coated copper

Insulation
Modified polyester

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 AWG
- No plasticizers or corrosive outgassing, which can be detrimental to sensitive electrical and electronic components

Available in: Americas Europe Asia Pacific
### Construction Details

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Wire Size (AWG)</th>
<th>Conductor Stranding (No. x AWG)</th>
<th>Nominal Diameter (mm [inch])</th>
<th>Finished Wire Diameter (mm [inch])</th>
<th>Nominal Weight in kg/km [lb/1000 ft]</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLTWC0311-26-*</td>
<td>26</td>
<td>19 x 38</td>
<td>.470 [.0185]</td>
<td>.813 [.032]</td>
<td>1.93 [1.3]</td>
</tr>
<tr>
<td>FLTWC0311-24-*</td>
<td>24</td>
<td>19 x 36</td>
<td>.597 [.0235]</td>
<td>.965 [.038]</td>
<td>2.83 [1.9]</td>
</tr>
<tr>
<td>FLTWC0311-22-*</td>
<td>22</td>
<td>19 x 34</td>
<td>.749 [.0295]</td>
<td>1.14 [.045]</td>
<td>4.17 [2.8]</td>
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<tr>
<td>FLTWC0311-20-*</td>
<td>20</td>
<td>19 x 32</td>
<td>.953 [.0375]</td>
<td>1.35 [.053]</td>
<td>6.25 [4.2]</td>
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<tr>
<td>FLTWC0311-16-*</td>
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<td>19 x 29</td>
<td>1.33 [.0525]</td>
<td>1.75 [.069]</td>
<td>12.20 [8.2]</td>
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<tr>
<td>FLTWC0311-14-*</td>
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<td>19 x 27</td>
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<td>2.16 [.085]</td>
<td>18.90 [12.7]</td>
</tr>
<tr>
<td>FLTWC0311-12-*</td>
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<td>37 x 28</td>
<td>2.16 [.0850]</td>
<td>2.64 [.104]</td>
<td>28.87 [19.4]</td>
</tr>
</tbody>
</table>

* Replace asterisk with color code designator:
- 0 = Black  
- 1 = Brown  
- 2 = Red  
- 3 = Orange  
- 4 = Yellow  
- 5 = Green  
- 6 = Blue  
- 7 = Violet  
- 8 = Gray  
- 9 = White  

For example: FLTWC0311-22-9 = AWG 22, 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.