Airframe Wire MIL-W-22759/MIL-W-81044

Caledonian Military Cables

MIL-W-81044/10

Applications
MIL-W-81044 wire may be used for airframe, avionics, military vehicle, shipboard, missile and other electronic applications. Additionally, the dual layer, lightweight, high temperature wire offers outstanding performance that makes it suitable for many functions where high density cabling and harnessing are required, these wires have excellent resistance to cut-through, abrasion, cold flow, shrink back, notch propagation and common chemicals.

Construction Details
The jacket is XL-PVDF

Construction
Conductor: Stranded silver-plated high strength copper alloy conductor
Insulation: Irradiation cross-linked extruded Polyalkene insulation
jacket: Extruded XL Polyvinylidene Fluoride (XL-PVDF)
Insulating Material Thickness: 29 mil (0.7 mm) to 32 mil (0.8 mm)

Characteristics
Temperature Rating: 150°C
Voltage Rating: 600 volts
MIL-W-81044/10
SAE AS81044
10 basic colors

Dimensions and Weight

<table>
<thead>
<tr>
<th>AWG Size</th>
<th>Conductor Stranding</th>
<th>Min O.D.</th>
<th>Max O.D.</th>
<th>Approx LBS/MFT</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>In</td>
<td>Mm</td>
<td>In</td>
</tr>
<tr>
<td>26</td>
<td>19/38</td>
<td>0.046</td>
<td>1.168</td>
<td>0.050</td>
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<tr>
<td>24</td>
<td>19/36</td>
<td>0.052</td>
<td>1.321</td>
<td>0.056</td>
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<tr>
<td>22</td>
<td>19/34</td>
<td>0.059</td>
<td>1.499</td>
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<tr>
<td>20</td>
<td>19/32</td>
<td>0.067</td>
<td>1.702</td>
<td>0.073</td>
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