MIL-W-22759/42

Application and Description
These XL-ETFE insulation single-core MIL-W-22759/42 wires are used for MIL-Spec and Aerospace. These normal weight, high temperature airframe and avionics wires have contrasting colored insulation layers which provide a visual indication of possible abrasion or other mechanical damage due to physical abuse during service or installation. The insulation resists high PH cleaning fluids, lubricating oils, fuel and many other chemicals. MIL-W-22759/42 wires are mechanically tough, flame retardant and weight saving.

Construction Details
Dual layers over conductor

Construction
Conductor: Nickel coated high strength copper alloy
Insulation: XL-ETFE

Insulating Material Thickness: 10 mil (0.25 mm)

Jacket: XL-ETFE

Characteristics
Temperature Rating: 200°C
Voltage Rating: 600 volts

MIL-Spec Wire
SAE AS22759/42

Color Code: MIL-STD-681

Dimensions and Weight

<table>
<thead>
<tr>
<th>AWG Size</th>
<th>Conductor Stranding</th>
<th>Conductor Diam. Min</th>
<th>Conductor Diam. Max</th>
<th>Min O.D.</th>
<th>Max O.D.</th>
<th>Approx LBS/MFT</th>
</tr>
</thead>
<tbody>
<tr>
<td>26</td>
<td>19/38</td>
<td>0.018 mm/0.457 in</td>
<td>0.020 mm/0.508 in</td>
<td>0.038 mm/0.965 in</td>
<td>0.042 mm/1.067 in</td>
<td>1.7 approx</td>
</tr>
<tr>
<td>24</td>
<td>19/36</td>
<td>0.023 mm/0.584 in</td>
<td>0.026 mm/0.660 in</td>
<td>0.043 mm/1.092 in</td>
<td>0.047 mm/1.194 in</td>
<td>2.3 approx</td>
</tr>
<tr>
<td>22</td>
<td>19/34</td>
<td>0.029 mm/0.737 in</td>
<td>0.033 mm/0.838 in</td>
<td>0.048 mm/1.219 in</td>
<td>0.052 mm/1.321 in</td>
<td>3.3 approx</td>
</tr>
<tr>
<td>20</td>
<td>19/32</td>
<td>0.037 mm/0.94 in</td>
<td>0.039 mm/0.991 in</td>
<td>0.056 mm/1.422 in</td>
<td>0.060 mm/1.524 in</td>
<td>4.8 approx</td>
</tr>
</tbody>
</table>