Application and Description

These PTFE tape insulation single-core MIL-W-22759/81 wires are used for MIL-Spec and Aerospace, these cables are light-weight, high-performance aerospace hook up wires with a dual-layer insulation of PTFE/polyimide/PTFE tape, covered with PTFE tape. These wires are designed for aerospace and other applications which require excellent thermal stability, light weight and high break strength.

Construction Details

A PTFE/K/PTFE layer construction

Construction

Silver plated high strength copper conductor
Fluoropolymer/polyimide tapes

Conductor: Silver plated high strength copper alloy
Insulation: Light Weight Fluoropolymer/Polyimide Tape
Insulating Material Thickness: 13 mil (0.30 mm)

Characteristics

Temperature Rating: 200°C
Voltage Rating: 600 volts
MIL-Spec Wire
SAE AS22759/81
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></td>
<td></td>
<td>in</td>
<td>mm</td>
<td>in</td>
<td>mm</td>
<td>in</td>
</tr>
<tr>
<td>26</td>
<td>19/38</td>
<td>0.018</td>
<td>0.445</td>
<td>0.020</td>
<td>0.518</td>
<td>0.030</td>
</tr>
<tr>
<td>24</td>
<td>19/36</td>
<td>0.023</td>
<td>0.572</td>
<td>0.024</td>
<td>0.620</td>
<td>0.034</td>
</tr>
<tr>
<td>22</td>
<td>19/34</td>
<td>0.029</td>
<td>0.724</td>
<td>0.031</td>
<td>0.798</td>
<td>0.040</td>
</tr>
<tr>
<td>20</td>
<td>19/32</td>
<td>0.037</td>
<td>0.927</td>
<td>0.040</td>
<td>1.003</td>
<td>0.048</td>
</tr>
</tbody>
</table>