

## MIL-W-81822/6

**Construction: Conductors:** Type A: Silver-plated ETP copper, Type B: Silver-plated OFHC copper, Type C: Silver-plated high strength copper alloy;  
**Insulation:** Extruded PTFE

Part Number	AWG Size	Approx LBS/MFT	Conductor Stranding	Nom. Dia. of Cond.	Max. Resistance @ 20° C OHMS/MFT
M81822/6-A20	20	5.00	Solid	0.0320	10.4
M81822/6-A22	22	3.43	Solid	0.0253	16.8
M81822/6-A24	24	2.43	Solid	0.0201	26.5
M81822/6-A26	26	1.43	Solid	0.0159	42.7
M81822/6-A28	28	0.970	Solid	0.0126	68.0
M81822/6-A30	30	0.670	Solid	0.0100	108
M81822/6-B20	20	5.00	Solid	0.0320	10.4
M81822/6-B22	22	3.43	Solid	0.0253	16.8
M81822/6-B24	24	2.43	Solid	0.0201	26.5
M81822/6-B26	26	1.43	Solid	0.0159	42.7
M81822/6-B28	28	0.970	Solid	0.0126	68.0
M81822/6-B30	30	0.670	Solid	0.0100	108
M81822/6-C20	20	5.00	Solid	0.0320	12.2
M81822/6-C22	22	3.43	Solid	0.0253	19.7
M81822/6-C24	24	2.43	Solid	0.0201	31.0
M81822/6-C26	26	1.43	Solid	0.0159	50.4
M81822/6-C28	28	0.970	Solid	0.0126	79.4
M81822/6-C30	30	0.670	Solid	0.0100	126

### Features:

MIL-W-81822/6 Wires have extruded PTFE insulation for high temperature applications. All have solid conductors for wire-wrap applications such as back panel wiring, with a choice of three conductor materials.

### Technical Data:

 **Temperature:** -55°C to 200°C

 **Rated Voltage:** 300V

 **Color Code:** Replace the X  
 0-Black, 1-Brown, 2-Red, 3-Orange,  
 4-Yellow, 5-Green, 6-Blue, 7-Violet,  
 8-Gray, 9-White, 54-Green/Yellow

 **Approvals:**  
 SAE AS81822/6

## MIL-W-81822/13

**Construction: Conductors:** Type A: Silver-plated ETP copper, Type B: Silver-plated OFHC copper, Type C: Silver-plated high strength copper alloy;  
**Insulation:** Extruded ETFE

Part Number	AWG Size	Approx LBS/MFT	Conductor Stranding	Nom. Dia. of Cond.	Max. Resistance @ 20° C OHMS/MFT	Nom. O.D. (in)
M81822/13-A20	20	4.03	Solid	0.0320	10.4	
M81822/13-A22	22	2.66	Solid	0.0253	16.8	.0390
M81822/13-A24	24	1.80	Solid	0.0201	26.5	.0340
M81822/13-A24V	24	1.64	Solid	0.0201	26.5	
M81822/13-A26	26	1.120	Solid	0.0159	42.7	.2095
M81822/13-A26V	26	1.11	Solid	0.0159	42.7	
M81822/13-A28	28	0.880	Solid	0.0126	68.0	.0265
M81822/13-A28V	28	0.770	Solid	0.0126	68.0	
M81822/13-A30	30	0.510	Solid	0.0100	108	.0195
M81822/13-B20	20	4.03	Solid	0.0320	10.4	0.0460
M81822/13-B22	22	2.66	Solid	0.0253	16.8	0.0390
M81822/13-B24	24	1.80	Solid	0.0201	26.5	0.0340
M81822/13-B24V	24	1.64	Solid	0.0201	26.5	
M81822/13-B26	26	1.22	Solid	0.0159	42.7	0.0295
M81822/13-B26V	26	1.11	Solid	0.0159	42.7	
M81822/13-B28	28	0.880	Solid	0.0126	68.0	0.0265
M81822/13-B28V	28	0.770	Solid	0.0126	68.0	
M81822/13-B30	30	0.510	Solid	0.0100	108	0.0195
M81822/13-C20	20	4.03	Solid	0.0320	12.2	
M81822/13-C22	22	2.66	Solid	0.0253	19.7	0.0390
M81822/13-C24	24	1.80	Solid	0.0201	31.0	0.0340
M81822/13-C24V	24	1.64	Solid	0.0201	31.0	
M81822/13-C26	26	1.22	Solid	0.0159	50.4	0.0295
M81822/13-C26V	26	1.11	Solid	0.0159	50.4	
M81822/13-C28	28	0.880	Solid	0.0126	76.4	0.0265
M81822/13-C28V	28	0.770	Solid	0.0126	79.4	
M81822/13-C30	30	0.510	Solid	0.0100	126	0.0195

### Features:

MIL-W-81822/13 Wires have extruded ETFE insulation for aerospace and other applications requiring light weight, tight jacket diameter tolerances and enhanced mechanical toughness. ETFE insulation also provides exceptional resistance to radiation and chemicals. All have solid conductors for wire-wrap applications such as back panel wiring, with a choice of three conductor materials.

### Technical Data:

 **Temperature:** -55°C to 150°C

 **Rated Voltage:** 300V

 **Color Code:** Replace the X  
 0-Black, 1-Brown, 2-Red, 3-Orange,  
 4-Yellow, 5-Green, 6-Blue, 7-Violet,  
 8-Gray, 9-White, 54-Green/Yellow

 **Approvals:**  
 SAE AS81822/13

Please contact your sales representative for detailed information at [sales@lapptannehill.com](mailto:sales@lapptannehill.com)