

**SAE AS81822/13**



M81822/13 has solid conductors for wire-wrap termination and are insulated with extruded ethylene-tetrafluoroethylene (ETFE) for aerospace and other applications requiring lightweight, tight jacket diameter tolerances and enhanced mechanical toughness. ETFE insulation also provides exceptional resistance to radiation and chemicals.

Conductor: Type A: Soft or Annealed Copper  
Type B: Soft or Annealed Oxygen-Free Copper  
Type C: High Strength, High Conductivity Copper Alloy  
Insulation: Extruded ETFE  
Temp Rating: 150°C  
Voltage Rating: 300 Volts R.M.S.

| Blake Part Number | AWG | Stranding | Insulation Diameter |        | LBS/MFT |
|-------------------|-----|-----------|---------------------|--------|---------|
|                   |     |           | Min.                | Max.   |         |
| BW-3700A-X        | 30  | Solid     | 0.0185              | 0.0205 | 0.51    |
| BW-3710A-X        | 28  | Solid     | 0.0250              | 0.0280 | 0.88    |
| BW-3720A-X        | 26  | Solid     | 0.0280              | 0.0310 | 1.22    |
| BW-3730A-X        | 24  | Solid     | 0.0325              | 0.0355 | 1.80    |
| BW-3740A-X        | 22  | Solid     | 0.0370              | 0.0410 | 2.66    |
| BW-3750A-X        | 20  | Solid     | 0.0440              | 0.0480 | 4.03    |
| BW-3760A-X        | 18  | Solid     | 0.0510              | 0.0570 | 6.13    |

X = Color: See Page BCC-1

| Blake Part Number | AWG | Stranding | Insulation Diameter |        | LBS/MFT |
|-------------------|-----|-----------|---------------------|--------|---------|
|                   |     |           | Min.                | Max.   |         |
| BW-3700B-X        | 30  | Solid     | 0.0185              | 0.0205 | 0.51    |
| BW-3710B-X        | 28  | Solid     | 0.0250              | 0.0280 | 0.88    |
| BW-3720B-X        | 26  | Solid     | 0.0280              | 0.0310 | 1.22    |
| BW-3730B-X        | 24  | Solid     | 0.0325              | 0.0355 | 1.80    |
| BW-3740B-X        | 22  | Solid     | 0.0370              | 0.0410 | 2.66    |
| BW-3750B-X        | 20  | Solid     | 0.0440              | 0.0480 | 4.03    |
| BW-3700B-X        | 18  | Solid     | 0.0510              | 0.0570 | 6.13    |

X = Color: See Page BCC-1

| Blake Part Number | AWG | Stranding | Insulation Diameter |        | LBS/MFT |
|-------------------|-----|-----------|---------------------|--------|---------|
|                   |     |           | Min.                | Max.   |         |
| BW-3700C-X        | 30  | Solid     | 0.0185              | 0.0205 | 0.51    |
| BW-3710C-X        | 28  | Solid     | 0.0250              | 0.0280 | 0.88    |
| BW-3720C-X        | 26  | Solid     | 0.0280              | 0.0310 | 1.22    |
| BW-3730C-X        | 24  | Solid     | 0.0325              | 0.0355 | 1.80    |
| BW-3740C-X        | 22  | Solid     | 0.0370              | 0.0410 | 2.66    |
| BW-3750C-X        | 20  | Solid     | 0.0440              | 0.0480 | 4.03    |
| BW-3700C-X        | 18  | Solid     | 0.0510              | 0.0570 | 6.13    |

X = Color: See Page BCC-1