



## SERVOFLEX PUR-C-583 5830104



Part Number	Stranding	Conductor	Nominal Outer Diameter (inches)	Nominal Outer Diameter (mm)	Weight Lb/1000ft
5830104	1AWG (Class 6) Bare Copper	4	1.410	36	1817

**Recommended Applications:** Servoflex PUR shielded, UL/CSA approved and Desina conforming with low capacitance is designed for electronically controlled servo motors and as a power and feedback cable for power supply chains, automatic handling equipment and robots. The polyurethane (PUR) outer sheath is highly cut, notch and abrasion resistant.

**Conductor:** Bare copper class 6 stranding.

**Colour Code:** Cores are black with consecutive white numbering 1-3 and green yellow protective conductor.

**Shielding:** Overall tinned copper braid (minimum 85% coverage).

**Jacketing Compound:** PUR-based outer sheath, flame retardant and self-extinguishing. Low adhesive and resistant to hydrolysis and microbes.

**Minimum Bend Radius:**  
Fixed installation 5 x OD.  
Flexing application 7.5 x OD.

**Temperature Range:**  
For static applications -50°C to + 80°C.  
For flexing applications -40°C to + 80°C.

**Nominal Voltage Rating:** 1000V.

**Test Voltage:** 4000V.  
Control Core 2000V.

**Basic Construction:** Superfine strands of bare copper, with polypropylene (PP) core insulation. Power cores are black and number coded 1-3, with a green/yellow ground. Power cores are cabled together, with an overall tinned copper braid shield.

**Approvals:** CSA, UL, CE.  
RoHS Compliant.

1.888.668.3539

289.337.9500

flex@awpinc.com