



Part Number	Stranding	Conductor	Nominal Outer Diameter (inches)	Nominal Outer Diameter (mm)	Weight Lb/1000ft
4001805S	18AWG (57x0.15mm) Bare Copper	5	0.315	8.00	69

**Recommended Applications:**

Robotic applications, high speed cable carrier, automated handling equipment, pick and place robots, gantry robots, many high speed applications, tight bend radius applications. This is a small outer diameter cable capable of a tight bend radius.

**Basic Construction:**

Extra fine bare copper strands Class 6

**Insulating Compound:**

Specially formulated PP

**Colour Code:**

Black with white number coding. Conductor count for three conductor cable and beyond includes a green/yellow ground conductor (minimum 30% coverage).

**Shielding:**

Tinned copper braid 85% minimum coverage

**Jacketing Compound:**

Specially formulated PUR

**Resistant to:**

UV, oils, coolants, fuels, chemicals, water and abrasion  
Suitable for extremely harsh environments

**Minimum Bend Radius:**

5 x cable diameter in flexing applications  
3 x cable diameter in static applications

**Temperature Range:**

For static applications -50C to +80C  
For flexing applications -40C to +80C

**Nominal Voltage Rating:**

600V



**Test Voltage**

3000V

**Approvals:**

80C, 600V, CSA, UL, AWM I/II, A/B, CE, FT1  
RoHS compliant  
Conforms to CE low voltage directive

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