



| Part Number | Stranding                       | Conductor | Nominal Outer Diameter (inches) | Nominal Outer Diameter (mm) | Weight Lb/1000ft |
|-------------|---------------------------------|-----------|---------------------------------|-----------------------------|------------------|
| 4001850     | 18AWG (57 x 0.15mm) Bare Copper | 50        | 0.972                           | 24.70                       | 534              |

**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

**Insulating Compound:**

Specially formulated TPE

**Colour Code:**

Black with white number coding. Conductor count for three conductor cable and beyond includes a green/yellow ground conductor (minimum 30% 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 +90C  
For flexing applications -40C to +90C

**Nominal Voltage Rating:**

600V

**Test Voltage:**

3000V

**Approvals:**

90C, 600V, CSA, UL, AWM I/II, A/B, CE, pbf, FT1  
RoHS compliant  
Conforms to CE low voltage directive



1.888.668.3539

289.337.9500

flex@awpinc.com

