



Part Number	Stranding	Conductor	Nominal Outer Diameter (inches)	Nominal Outer Diameter (mm)	Weight Lb/1000ft
4001812S	18AWG (57x0.15mm) Bare Copper	12	0.425	10.80	140

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

1.888.668.3539

289.337.9500

flex@awpinc.com

