



Part Number	Stranding	Conductor	Nominal Outer Diameter (in)	Nominal Outer Diameter (mm)	Weight Lb/1000ft
4102414D	24AWG Class 6 Bare Copper	14	0.279	7.10	42

**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:**

DIN 47100

**Jacketing Compound:**

Specially formulated Grey 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:**

300V

**Test Voltage:**

1500V

**Approvals:**

80C, 300V, 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

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