



Part Number	Stranding	Conductor	Nominal Outer Diameter (inches)	Nominal Outer Diameter (mm)	Weight Lb/1000ft
4002414S	24AWG (32 x 0.10mm) Bare Copper	14	0.311	7.9	61

**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:**

DIN 47100

**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 +90C  
For flexing applications -40C to +90C



**Nominal Voltage Rating:**

300V

**Test Voltage:**

3000V

**Approvals:**

90C, 300V, CSA, UL, AWM I/II, A/B, CE, pbf, FT1  
RoHS compliant  
Conforms to CE low voltage directive

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