



## ROBOTFLEX PUR-90

ISO 9001  
2008

ROBOTFLEX PUR-90 6001841



Part Number	Stranding	Conductor	Nominal Outer Diameter (inches)	Nominal Outer Diameter (mm)	Weight Lb/1000ft
6001841	18AWG (Class 6) Bare Copper	41	0.866	22.0	404

**Recommended Applications:** Robotflex PUR-90 is designed for robotic systems, automatic handling equipment and for machines with no special movement schedule. It can be used in and outdoors. A special cable construction and high quality components allow the cable to meet high bending radius and torsion cycles over a long service life.

**Conductor:** Bare copper class 6 stranding.

**Colour Code:** Cores are black with consecutive white numbering and green yellow protective conductor.

**Jacketing Compound:** Specially formulated PUR UV-resistant, low-adhesive, flame retardant and self-extinguishing. Colour black.

**Minimum Bend Radius:**  
Flexing application 15 X OD.  
Fixed installation 7.5 x OD.

**Temperature Range:**  
Fixed installation -50°C to + 80°C.  
Flexing applications -30°C to + 80°C.

**Nominal Voltage Rating:** 600V.

**Test Voltage:** 3000V.

**Basic Construction:**  
Superfine strands of tinned copper wires.

**Torsion Angle:** Max plus or minus 360°/m.

**Approvals:** CSA, UL.  
RoHS Compliant.

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