



Product: [MachFlex™ Robotic 20549 Cable](#) 

Unshielded PUR robot multi-core electronic control cable

Product Description

Unshielded PUR robot multi-core electronic control cable for high dynamic bending and torsion motions, UL/cUL AWM 20549 certified

Technical Specifications

Product Overview

Suitable Applications:	Warehouse automation equipment, Industrial machinery and machine tools, Multi-axis articulated robots with twisting and bending motion in Automotive industry, In power chains or moving machine parts, Inside of dress packs of buckling arm robots and for use for gantry robots
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Construction Details

Conductor

Stranding	Material
Stranded	BC - Bare Copper

Insulation

Material	Color Code
PP - Polypropylene	Colour code in accordance with DIN 47100

Outer Jacket

Material
PUR - Polyurethane

Electrical Characteristics

Voltage

UL Voltage Rating
300 V

Voltage Rating Table Notes:	2 kV ac
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Mechanical Characteristics

Temperature

Continuous Flexing
- 20 ~ 80

Bend Radius

Installation Min.
5XOD

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Non-Halogenated, UV Resistance, Oil Resistance
Flammability / Reaction to Fire:	Horizontal flame test
AWM Compliance:	AWM 20549
CEC / C(UL) Compliance:	.

European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2)
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Product Notes

Notes:	UL AWM Style 20549, CSA C22.2 No.210
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History

Update and Revision:	Revision Number: 0.2 Revision Date: 09-09-2026
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