



Product: [MachFlex™ Robotic 20940 Cable](#) 

Unshielded PUR robot multi-core industrial control cable

Product Description

Unshielded PUR robot multi-core industrial control cable for high dynamic bending and torsion motions, UL/cUL AWM 20940 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	Stranding Class	Material	Notes
Stranded	Class 6	BC - Bare Copper	Extra fine stranded

Insulation

Material	Color Code
PP - Polypropylene	Black cores with white numbers, one green-yellow core.

Outer Jacket

Material
PUR - Polyurethane

Electrical Characteristics

Voltage

UL Voltage Rating	
600 V	
Voltage Rating Table Notes:	2 kV ac

Mechanical Characteristics

Temperature

Continuous Flexing
-20°C to +80°C

Bend Radius

Installation Min.	
5XOD	
Bend Radius Table Notes:	Flexing Min. 10XOD

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Non-Halogenated, UV Resistance, Oil Resistance
Flammability / Reaction to Fire:	Horizontal flame test
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 20940, CSA C22.2 No.210
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History

Update and Revision:	Revision Number: 0.6 Revision Date: 09-11-2026
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Part Numbers

Variants

Item #
BRB2X06U
BRB3G06U
BRB4G06U
BRB5G06U
BRB7G06U
BRB12G06U
BRB16G06U
BRB18G06U
BRB25G06U
BRB36G06U
BRB42G06U
BRB2X07U
BRB3G07U
BRB4G07U
BRB5G07U
BRB7G07U
BRB12G07U
BRB16G07U
BRB18G07U
BRB25G07U
BRB36G07U
BRB42G07U
BRB2X08U
BRB3G08U
BRB4G08U
BRB5G08U
BRB7G08U
BRB12G08U
BRB16G08U
BRB18G08U
BRB25G08U
BRB36G08U
BRB2X09U
BRB3G09U
BRB4G09U
BRB5G09U
BRB7G09U
BRB12G09U
BRB16G09U

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