



Part Number: 70257PU

Sensor & Actuator, 4-Cond, Cu Section 0.34 mm², PUR

Product Description

PUR Sensor & Actuator Cable, 4 x 42 x 0.10 mm, 5 Million Continuous Flex Cycles, Trailing, Sunlight and Oil Resistant

Technical Specifications

Product Overview

Environmental Space:	Indoor/Outdoor
Suitable Applications:	As a flexible, flame retardant and halogen-free control line in the industrial Mechanical- and Plant engineering, for high requirements, particularly for the employment in cable carriers (Drag chains) and moved machine parts.

Physical Characteristics (Overall)

Conductor

Stranding	Material	No. of Conductors
42x38	BC - Bare Copper	4

Conductor, Table Note:	Extra fine-wired
Conductor Count:	4

Insulation

Material	Nominal Diameter
PP - Polypropylene	1.3 mm

Color Chart

Number	Color
Wire 1	Brown
Wire 2	White
Wire 3	Blue
Wire 4	Black

Outer Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance	Labs Free	Oil Resistant
PUR - Polyurethane	4.7 mm	0.15 mm	Yes	Good

Electrical Characteristics

Voltage

Voltage Rating [V]	Voltage Test Dielectric
300 V	2.0 kV DC

Temperature Range

Operating Temp Range:	-50°C To +80°C
Operating Temp Range (Flexible Install):	-25°C To +80°C
Operating Temp Range (Drag Chain Op):	-25°C To +60°C

Mechanical Characteristics

Microbes and Hydrolyse Resistance:	Good
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Min Bend Radius (W/o Pulling Strength):	47 mm
Min No. of Drag Chain Cycles:	5 Mio.
Drag Chain Parameters:	a = 5 m/s ² , horizontal 5 m, vertical 2 m, v = max. 200m/min.)

Standards

UL AWM Style:	AWM 20549
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Applicable Environmental and Other Programs

EU RoHS Compliance Date (yyyy-mm-dd):	2015-08-27
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Flammability, LS0H, Toxicity Testing

CSA Flammability:	CSA FT2
ISO/IEC Flammability:	IEC 60332-2-2
Amount of Halogen acc. to IEC 60754-1 & EN50267-1:	Zero

Part Number

Variants

Item #	Color	Length
70257PU.00500	Black	500 m
70257PU.00C100	Black	100 m

History

Update and Revision:	Revision Number: 0.102 Revision Date: 09-02-2019
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