



Part Number: 70256PU

Sensor & Actuator, 3-Cond, Cu Section 0.34 mm², PUR

Product Description

PUR Sensor & Actuator Cable, 3 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	3

Conductor, Table Note:	Extra fine-wired
Conductor Count:	3
Conductor Size:	0.34 mm ²

Insulation

Material	Nominal Diameter
PP - Polypropylene	1.3 mm

Color Chart

Number	Color
Wire 1	Brown
Wire 2	Blue
Wire 3	Black

Outer Jacket Material

Material	Color	Nominal Diameter	Diameter +/- Tolerance	Labs Free	Oil Resistant
PUR - Polyurethane	Black	4.3 mm	0.2 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

Torsion Test: Description:	1 meter length, ± 360°
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Microbes and Hydrolyse Resistance:	Good
Min Bend Radius (W/o Pulling Strength):	43 mm
Min No. of Drag Chain Cycles:	2 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):	2015-08-26
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Flammability, LSOH, 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
70256PU.00500	Black	500 m
70256PU.00C100	Black	100 m

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