



**Product:** [70257PU](#)

Sensor & Actuator, 4-Cond, Cu Section 0.34 mm<sup>2</sup>, 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

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.
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### Physical Characteristics (Overall)

#### Conductor

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

Table Notes: 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

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

## Standards

UL AWM Style Compliance:	AWM 20549
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## Applicable Environmental and Other Programs

Environmental Space:	Indoor/Outdoor
EU RoHS Compliance Date (yyyy-mm-dd):	2015-08-27

## Flammability, LS0H, Toxicity Testing

CSA Flammability:	CSA FT2
IEC Flammability:	IEC 60332-2-2
IEC 60754-1 (EN50267-1)- Halogen Amount:	Zero

## Part Number

### Variants

Item #	Color	Putup Type	Length	EAN
70257PU.00C100	Black	Coil	100 m	8719605012463
70257PU.00500	Black	Reel	500 m	8719605012456

## History

Update and Revision:	Revision Number: 0.120 Revision Date: 06-24-2020
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