



**Product:** [70258PU](#) 

Sensor & Actuator, 3-Cond, Cu Section 0.50 mm<sup>2</sup>, PUR

## Product Description

PUR Sensor & Actuator Cable, 3 x 16 x 0.20 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

AWG	Stranding	Material	No. of Conductors
20	16x32	BC - Bare Copper	3

Table Notes:	Extra fine-wired
Conductor Count:	3

#### Insulation

Material	Nominal Diameter
PP - Polypropylene	1.5 mm

#### Color Chart

Number	Color
Wire 1	Brown
Wire 2	Blue
Wire 3	Green & Yellow

#### Outer Jacket

Material	Nominal Diameter	Diameter +/- Tolerance	Labs Free	Oil Resistant
PUR - Polyurethane	4.6 mm	0.2 mm	Yes	Good

### Electrical Characteristics

Min Insulation Resistance:	1000 MOhm*km
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#### Voltage

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

### Temperature Range

Operating Temperature 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):	46 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
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## Flammability, LS0H, Toxicity Testing

CSA Flammability:	FT4
IEC Flammability:	IEC 60332-2-2
IEC 60754-1 - Halogen Amount:	Zero

## Related Part Numbers

### Variants

Item #	Color	Put-Up Type	Length	EAN
70258PU.00C100	Black	Coil	100 m	8719605012487
70258PU.00500	Black	Reel	500 m	8719605012470

## History

Update and Revision:	Revision Number: 0.128 Revision Date: 12-20-2022
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