Product: 70251PU

Sensor & Actuator, 4-Cond, Cu Section 0.14 mm², PUR

Product Description

PUR Sensor & Actuator Cable, 4 x 18 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.

Physical Characteristics (Overall)

Conductor

Stranding	Material	No. of Conductors
18x38	BC - Bare Copper	4

Table Notes:	Extra fine-wired
Conductor Count:	4

Insulation

Material	Nominal Diameter
PP - Polypropylene	0.95 mm

Color Chart

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

Outer Jacket

Material	Nominal Diameter	Diameter +/- Tolerance	Labs Free	Oil Resistant
PUR - Polyurethane	3.5 mm	0.2 mm	Yes	Good

Electrical Characteristics

Min Insulation Resistance:	5000 MOhm*km

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):	35 mm
Min No. of Drag Chain Cycles:	2 Mio.
Drag Chain Parameters:	a = 5 m/s², horizontal 5 m, vertical 2 m,v = max. 200m/min.)

Standards

UL AWM Style Compliance:	AWM 20549

Applicable Environmental and Other Programs

Environmental Space:	Indoor/Outdoor

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
70251PU.00C100	Black	Coil	100 m	8719605012388
70251PU.00500	Black	Reel	500 m	8719605012371

History

Update and Revision:	Revision Number: 0.134 Revision Date: 12-20-2022

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