



Product: [70266PU](#)

PUR Distribution Box Cable, 16 x 0.50 mm² & 3 x 1.00 mm²

Product Description

16 x 0.50 mm² & 3 x 1.00 mm², Stranding 64 x 0.10 mm & 128 x 0.10 mm, 2 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

Element	Stranding	Material	Cross Section	Nominal Diameter	No. of Conductors
Wire 1 t/m 16	Stranded	BC - Bare Copper		1.45 mm	18
Wire 17 t/m 19		BC - Bare Copper	1 mm ²	1.95 mm	3

Table Notes:	Extra fine-wired
Conductor Count:	18

Insulation

Material
PP - Polypropylene

Color Chart

Number	Color
Wire 1	Yellow & Brown
Wire 2	Brown & Green
Wire 3	White
Wire 4	Yellow
Wire 5	Pink
Wire 6	Gray & Brown
Wire 7	Brown
Wire 8	Violet
Wire 9	Red
Wire 10	Gray
Wire 11	Red & Blue
Wire 12	Green
Wire 13	Blue
Wire 14	Gray & Pink
Wire 15	White & Green
Wire 16	White & Yellow
Wire 17	White & Gray
Wire 18	Black
Wire 19	Green & Yellow

Outer Jacket

Material	Nominal Diameter	Diameter +/- Tolerance	Labs Free	Oil Resistant
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PUR - Polyurethane	11.6 mm	0.3 mm	Yes	Good
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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):	max. +60 °C

Mechanical Characteristics

Microbes and Hydrolyse Resistance:	Good
Min Bend Radius (W/o Pulling Strength):	116 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 Compliance:	AWM 20549
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Applicable Environmental and Other Programs

Environmental Space:	Indoor/Outdoor
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Flammability, LSOH, 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
70266PU.00100	Black	Reel	100 m	8719605012630
70266PU.00400	Black	Reel	400 m	8719605012647

History

Update and Revision:	Revision Number: 0.137 Revision Date: 04-08-2022
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