



Product: [70267PU](#) 

PUR Distribution Box Cable, 8 x 0.50 mm² & 3 x 1.00 mm²

Product Description

8 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 8	Stranded	BC - Bare Copper		1.45 mm	11
Wire 9 t/m 11		BC - Bare Copper	1 mm ²	1.95 mm	3

Table Notes:	Extra fine-wired
Conductor Count:	11

Insulation

Material
PP - Polypropylene

Color Chart

Number	Color
Wire 1	White
Wire 2	Green
Wire 3	Yellow
Wire 4	Gray
Wire 5	Gray & Pink
Wire 6	Red & Blue
Wire 7	White & Green
Wire 8	Brown & Green
Wire 9	Blue
Wire 10	Brown
Wire 11	Green & Yellow

Outer Jacket

Material	Nominal Diameter	Diameter +/- Tolerance	Labs Free	Oil Resistant
PUR - Polyurethane	9.3 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):	93 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, 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
70267PU.00100	Black	Reel	100 m	8719605012654
70267PU.00500	Black	Reel	500 m	8719605012661

History

Update and Revision:	Revision Number: 0.136 Revision Date: 04-08-2022
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