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.

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 mm²	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

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/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
70267PU.00100	Black	Reel	100 m	8719605012654
70267PU.00500	Black	Reel	500 m	8719605012661

History

Update and Revision:	Revision Number: 0.137 Revision Date: 12-20-2022

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