



Product: [1120A](#)

Inst, 1 Pr #18 Str BC, PVC-NYL Ins E2, OS, Blk PVC Jkt, 600V TC 150V NPLF 90C Dry/Wet

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Product Description

UL Instrumentation, 1 Pair 18AWG (7x26) Bare Copper, PVC-NYL Insulation E2 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, 600V TC 150V NPLF 90C Dry/Wet SUN RES DIR BUR

Technical Specifications

Product Overview

Suitable Applications:	Industrial Control, Raceways Cable trays and ducts, Digital Control, Instruments (4-20ma, 0-10v, ...), low voltage digital control (24v, ...), encoders, control circuits, distributed control system (DCS), programmable logic controller (PLC), Solenoids, Valves, Actuators, Positioners
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	18 AWG	7x26	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.022 in (0.56 mm)	0.088 in (2.2 mm)	Black, Red

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.048 in (1.2 mm)	0.278 in (7.06 mm)	Yes

Overall Cable Diameter (Nominal):	0.278 in (7.06 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Pair(s)	6.93 Ohm/1000ft	14 Amps per conductor @ 30°C

Voltage

UL Voltage Rating
600 V (TC), 150 V (NPLF)

Mechanical Characteristics

Temperature

UL Temperature	Operating
90°C Dry, 90°C Wet	-30°C to 90°C Dry/Wet

Bend Radius

Stationary Min.	Installation Min.

3.3 in (84 mm) 3.3 in (84 mm)

Max. Pull Tension: 57 lbs (26 kg)

Bulk Cable Weight: 38 lbs/1000ft

Standards and Compliance

Environmental Suitability: Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial

Flammability / Reaction to Fire: UL 1685 FT4 Loading, FT4, IEEE 1202 FT4

NEC / UL Compliance: Article 336, Article 760, NPLF, TC

European Directive Compliance: EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

History

Update and Revision: Revision Number: 0.610 Revision Date: 02-15-2024

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
1120A 01010000	Black	Reel	10,000 ft	612825107156	C Z

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