



**Product:** [1118A](#)

Inst, 1 Pr #16 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 16AWG (7x24) 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	16 AWG	7x24	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)	0.101 in (2.57 mm)	ICEA Chart E2

##### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	18 AWG (7x26) TC

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.047 in (1.2 mm)	0.300 in (7.62 mm)	Yes

Overall Cable Diameter (Nominal):	0.300 in (7.62 mm)
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#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR	Max. Current
Pair(s)	4.36 Ohm/1000ft	18 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.

3.6 in (91 mm) 3.6 in (91 mm)

Max. Pull Tension: 94 lbs (43 kg)

Bulk Cable Weight: 48 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: 0.621 Revision Date: 02-15-2024

## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
1118A 01010000	Black	Reel	10,000 ft	612825107095	C Z

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