



**Product:** [1119A](#)

Inst, 1 Tri #16 Str BC, PVC-NYL Ins E2, OS, Blk PVC Jkt, 600V TC-ER 150V NPLF 90C Dry/Wet

[Request Sample](#)

### Product Description

UL Instrumentation, 1 Triad 16AWG (7x24) Bare Copper, PVC-NYL Insulation E2 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, 600V TC-ER 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, ...), RTD, control circuits, distributed control system (DCS), programmable logic controller (PLC), Solenoids, Valves, actuators, positioners
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#### Construction Details

##### Conductor

Element	Number of Element	Size	Stranding	Material
Triad(s)	1	16 AWG	7x24	BC - Bare Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Triad(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)	0.315 in (8.00 mm)	Yes

Overall Cable Diameter (Nominal):	0.315 in (8.00 mm)
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#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR	Max. Current
Triad(s)	4.27 Ohm/1000ft	18 Amps per conductor @ 30°C

##### Voltage

UL Voltage Rating
600 V (TC-ER), 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.

3.8 in (97 mm) 3.8 in (97 mm)

Max. Pull Tension: 129 lbs (58.5 kg)

Bulk Cable Weight: 63 lbs/1000ft

## Standards and Compliance

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

Flammability / Reaction to Fire: UL 1685 FT4 Loading, FT4, T-29-520, IEEE 1202 FT4

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

European Directive Compliance: EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

APAC Compliance: China RoHS II (GB/T 26572-2011)

Other Standard Compliance(s): ICEA S-73-532 (WC57), S-61-402

## History

Update and Revision: Revision Number: 0.544 Revision Date: 04-14-2023

## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC
1119A 010500	Black	Reel	500 ft	612825107149
1119A 0101000	Black	Reel	1,000 ft	612825107118
1119A 01010000	Black	Reel	10,000 ft	612825107125

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