



REPRESENTATIVE IMAGE

Product: [1121A](#)

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

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Product Description

UL Instrumentation, 1 Triad 18AWG (7x26) 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

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Triad(s)	1	18 AWG	7x26	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Triad(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.016 in (0.41 mm)	0.088 in (2.2 mm)	Black, Red, Blue

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	0.047 in (1.2 mm)	0.290 in (7.37 mm)	Yes

Overall Cable Diameter (Nominal): 0.290 in (7.37 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Triad(s)	5.86 Ohm/1000ft (19.2 Ohm/km)	6 Amps per conductor @ 30C

Voltage

UL Voltage Rating

600 V (TC-ER), 150 V (NPLF)

Mechanical Characteristics

Temperature

UL Temperature	Operating
90°C Dry, 90°C Wet	-30C to 90C Dry, 75C wet

Bend Radius

[Stationary Min.](#) [Installation Min.](#)

3.5 in (89 mm)	3.5 in (89 mm)
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Max. Pull Tension:	81 lbs
Bulk Cable Weight:	52 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL1685 (FT4 Loading), FT4, 1202
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, S-61-402

History

Update and Revision:	Revision Number: 0.393 Revision Date: 12-15-2021
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Variants

Item #	Color	Putup Type	Length	UPC
1121A 010500	Black	Reel	500 ft	612825358947
1121A 0101000	Black	Reel	1,000 ft	612825107163
1121A 01010000	Black	Reel	10,000 ft	612825107170

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