



**THE DATASHEET OF**  
**1121A 010500**





**Part Number:** 1121A

Inst, 1 Tri #18 Str BC, PVC-NYL Ins E2, OS, Blk PVC Jkt, 600V TC-ER 150V NPLF 90C Dry 75C 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 75C Wet SUN RES DIR BUR

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors	No. of Triads
18	7x26	BC - Bare Copper	3	1

Conductor Count:	3
Total Number of Pairs:	1
Total Number of Triads:	N/A
Conductor Size:	18 AWG

#### Insulation

Material	Nominal Diameter
PVC/Nylon - Polyvinyl Chloride/Nylon	0.088 in

#### Color Chart

Number	Color
1	Red
2	Blue
3	Black

#### Color Chart 2

Number	Color
1	Black & Red & Blue

#### Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum/Polyester	Beldfoil®	100 %	TC - Tinned Copper	20	7x28 mm

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.29 in	0.047 in	Yes

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
5.86 Ohm/1000ft	7.46 Ohm/1000ft

#### Current

Max. Recommended Current [A]
6 Amps per conductor @ 30C

## Voltage

### UL Voltage Rating

600 V RMS

150 V RMS

## Temperature Range

UL Temp Rating: 75°C Dry, 90°C Wet

Wet Temp Range: -30°C To +75 °C

Dry Temp Range: -30°C To +90 °C

## Mechanical Characteristics

Bulk Cable Weight: 45 lbs/1000ft

Max Recommended Pulling Tension: 81 lbs

Min Bend Radius/Minor Axis: 2.9 in

## Standards

NEC/(UL) Specification: NPLF, TC-ER

Other Specification: ICEA S-73-532, S-61-402

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2012/19/EU (WEEE): Yes

EU Directive 2015/863/EU: Yes

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: Yes

EU RoHS Compliance Date (yyyy-mm-dd): 2005-04-01

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

## Suitability

Suitability - Burial: Yes

Suitability - Sunlight Resistance: Yes

## Flammability, LSOH, Toxicity Testing

UL Flammability: UL1685 UL Loading

CSA Flammability: FT4

IEEE Flammability: 1202

UL voltage rating: 600 V RMS

## Plenum/Non-Plenum

Plenum (Y/N): No

## Part Number

### Variants

Item #	Color	UPC	Length	Footnote
1121A 0101000	Black	612825107163	1,000 ft	C Z
1121A 01010000	Black	612825107170	10,000 ft	C Z
1121A 010500	Black	612825358947	500 ft	C Z

Footnote: C - CRATE REEL PUT-UP.

Footnote: Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

## Product Notes

Notes: Alternate color coding available upon request.

## History

Update and Revision: Revision Number: 0.308 Revision Date: 07-11-2019

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