



**Product:** [61T1612](#)

Inst, 12 Tri #16 Str BC, PVC-NYL Ins E1, OS, Blk PVC Jkt, 600V TC-ER 150V NPLF 90C Dry 75C Wet

## Product Description

UL Instrumentation, 12 Triad 16AWG (7x24) Bare Copper, PVC-NYL Insulation E1 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
16	7x24	BC - Bare Copper

Total Number of Triads:	12
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#### Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC/Nylon - Polyvinyl Chloride + Nylon	0.101 in	0.022 in

#### Color Chart

Number	Color
Triads 1 - 12	ICEA S-73-732 Table E1: Black & White & Red and Numbered

#### Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	20

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	1.021 in	0.074 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
4.2 Ohm/1000ft	3.07 Ohm/1000ft

#### Current

Max. Recommended Current [A]
3.2 Amps per Conductor at 30°C

#### Voltage

UL Description	UL Voltage Rating
TC	600 V RMS (Type TC)
NPLF	150 V RMS (Type NPLF)

### Temperature Range

Operating Temp Range:	-30°C To +90 °C Dry, +75°C Wet
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## Mechanical Characteristics

Bulk Cable Weight:	538 lbs/1000ft
Max. Pull Tension:	727 lbs
Min Bend Radius/Minor Axis:	10.2 in

## Standards

NEC/(UL) Compliance:	NPLF, TC-ER, UL 1277
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## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	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

## Suitability

Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

## Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1685 UL Loading
IEEE Flammability:	1202
UL voltage rating:	600 V RMS (Type TC)

## Part Number

### Variants

Item #	Putup Type
61T1612 0104280	Reel

## Product Notes

Notes:	Alternate color coding available upon request.
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## History

Update and Revision:	Revision Number: 0.23 Revision Date: 02-16-2021
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