



Product: [3081A](#)

Inst, 1 Tri #14 Str BC, PVC-NYL Ins E1, OS, Blk PVC Jkt, 600V TC-ER 150V NPLF THHN OR THWN

[Request Sample](#)

Product Description

UL Instrumentation, 1 Triad 14AWG (7x22) Bare Copper, PVC-NYL Insulation E1 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, 600V TC-ER 150V NPLF THHN OR THWN 90C Dry 75C Wet SUN RES DIR BUR

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Triads
14	7x22	BC - Bare Copper	1

Conductor Count:	3
Total Number of Triads:	1

Insulation

Material	Nominal Wall Thickness
PVC/Nylon - Polyvinyl Chloride + Nylon	0.116 in

Color Chart

Number	Color
1	Red
2	White
3	Black

Color Chart 2

Number	Color
1	Black & White & Red

Outer Shield

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	16

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.359 in	0.047 in	Yes

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
2.3 Ohm/1000ft	2.4 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
57 pF/ft	102 pF/ft

Current

Max. Recommended Current [A]

10 Amps per Conductor at 25°C

Voltage**UL Voltage Rating**

600 V RMS

150 V RMS (NPLF)

Temperature Range

UL Temp Rating: 75°C Dry, 90°C Wet

Mechanical Characteristics

Bulk Cable Weight: 97 lbs/1000ft

Max. Pull Tension: 200 lbs

Min. Bend Radius/Minor Axis: 3.5 in

Standards

NEC/(UL) Compliance: NPLF, TC-ER, THHN, THWN

Applicable Environmental and Other Programs

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

EU Directive 2011/65/EU (RoHS 2): Yes

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

EU Directive 2015/863/EU (RoHS 2 amendment): Yes

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

MII Order #39 (China RoHS): Yes

Suitability

Suitability - Burial: Yes

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Suitability - Sunlight Resistance: Yes

Flammability, LSOH, Toxicity Testing

UL Flammability: UL1685 UL Loading

CSA Flammability: FT4

ICEA Flammability: T-29-520

IEEE Flammability: 1202

UL voltage rating: 600 V RMS (Type TC)

Product Notes

Notes: Alternate color coding available upon request.

History

Update and Revision: Revision Number: 0.262 Revision Date: 08-27-2021

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