



Product: [62T1608](#)

Inst, 8 Tri #16 Str BC, PVC-NYL Ins E1, IS/OS, Blk PVC Jkt, 600V TC-ER
150V NPLF 90C Dry 75C Wet

Product Description

UL Instrumentation, 8 Triad 16AWG (7x24) Bare Copper, PVC-NYL Insulation E1 Color Code, Individual & 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: | 8 |
|-------------------------|---|

Insulation

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

Color Chart

| Number | Color |
|--------------|--|
| Triads 1 - 8 | ICEA S-73-732 Table E1: Black & White & Red and Numbered |

Inner Shield Material

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

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 | 0.879 in | 0.083 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Inner Shield DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|--------------------------|
| 3.67 Ohm/1000ft | 4.99 Ohm/1000ft | 3.07 Ohm/1000ft |

Current

| Max. Recommended Current [A] |
|--------------------------------|
| 3.6 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 |
|-----------------------|--------------------------------|

Mechanical Characteristics

| | |
|-----------------------------|----------------|
| Bulk Cable Weight: | 438 lbs/1000ft |
| Max. Pull Tension: | 485 lbs |
| Min Bend Radius/Minor Axis: | 8.8 in |

Standards

| | |
|----------------------|----------------------|
| NEC/(UL) Compliance: | NPLF, TC-ER, UL 1277 |
|----------------------|----------------------|

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, LSOH, 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 | UPC |
|-----------------|------------|--------------|
| 62T1608 0105000 | Reel | 612825359715 |

Product Notes

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

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| Update and Revision: | Revision Number: 0.31 Revision Date: 10-20-2020 |
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