



Product: [28339A](#)

TC VN/PVC, 5 C #16 Str BC, PVC-NYL Ins E2, Blk PVC Jkt, 600V TC-ER
150V NPLF 90C Dry/Wet SUN RES DIR BUR

Product Description

UL Type TC (1277) PVC-Nylon/PVC, 5 Conductor 16AWG (7x24) Bare Copper, PVC-NYL Insulation E2 Color Code, Black PVC Outer Jacket, 600V TC-ER 150V NPLF 90C Dry/Wet SUN RES DIR BUR

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | Power and Control Applications up to 600V; Class 1 Division 2 Hazardous Locations; Recommended Cable Gland Belden BTC075A0551RA |
|------------------------|---|

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|--------------|-----------------|--------|-----------|------------------|
| Conductor(s) | 5 | 16 AWG | 7x24 | BC - Bare Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------|--|--------------------|--------------------------|----------------------------------|
| Conductor(s) | PVC/Nylon - Polyvinyl Chloride + Nylon | 0.020 in (0.51 mm) | 0.099 in (2.5 mm) | Black, Red, Blue, Orange, Yellow |

Outer Shield

| Material |
|-----------|
| No Shield |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|--------------------------|-------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.047 in (1.2 mm) | 0.359 in (9.12 mm) | Yes |

Overall Cable Diameter (Nominal): 0.359 in (9.12 mm)

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Max. Current |
|--------------------|---------------------------------|
| 4.2 Ohm/1000ft | 14.4 Amps per Conductor at 30°C |

Voltage

| UL Voltage Rating |
|-----------------------------|
| 600 V (TC-ER), 150 V (NPLF) |

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|--------------------|------------------------|
| 90°C Dry, 90°C Wet | Wet/Dry: -30°C to 90°C |

Bend Radius

| Stationary Min. | Installation Min. |
|---------------------|---------------------|
| 1.436 in (36.47 mm) | 1.795 in (45.59 mm) |

| | |
|--------------------|-------------------|
| Max. Pull Tension: | 175 lbs (79.4 kg) |
| Bulk Cable Weight: | 85 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor, Outdoor, Sunlight Resistance, Burial |
| Flammability / Reaction to Fire: | UL1685 UL Loading, IEEE 1202 FT4 |
| NEC / UL Compliance: | Article 336, Article 400, Article 760, TC-ER, NPLF, TFFN |
| 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) |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.610 Revision Date: 02-03-2025 |
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Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC | Footnote |
|-----------------|-------|------------|-----------|--------------|----------|
| 28339A 0105000 | Black | Reel | 5,000 ft | 612825136125 | C Z |
| 28339A 01010000 | Black | Reel | 10,000 ft | 612825136118 | C Z |

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