



Product: [28153A](#)

TC VN/PVC, 3+G C #6+8 Str BC, PVC-NYL Ins M4, Blk PVC Jkt, 600V
TC-ER 90C Dry/Wet SUN RES DIR BUR

Product Description

UL Type TC (1277) PVC-Nylon/PVC, 3+G Conductor 6+8AWG (7x14+7x16) Bare Copper, PVC-NYL Insulation M4 Color Code, Black PVC Outer Jacket, 600V TC-ER 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 BTC075A0791RA |
|------------------------|---|

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|--------------|-----------------|------|-----------|------------------|
| Conductor(s) | 3 | 6 | 7x14 | BC - Bare Copper |
| Ground | 1 | 8 | 7x16 | BC - Bare Copper |

Insulation

| Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--|--------------------|--------------------------|--------------------|
| PVC/Nylon - Polyvinyl Chloride + Nylon | 0.032 in (0.81 mm) | 0.242 in (6.15 mm) | Black and Numbered |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|--------------------------|-------------------|-----------------|---------|
| PVC - Polyvinyl Chloride | 0.063 in (1.6 mm) | 0.68 in (17 mm) | Yes |

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Max. Current |
|--------------|------------------------------|-------------------------------|
| Conductor(s) | 0.4 Ohm/1000ft | 75 Amps per Conductor at 30°C |
| Ground | 0.65 Ohm/1000ft (2.1 Ohm/km) | 57 Amps per Conductor at 25°C |

Voltage

| |
|--------------------------|
| UL Voltage Rating |
| 600 V (TC-ER) |

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. |
|-------------------|-------------------|
| 2.72 in (69.1 mm) | 3.4 in (86 mm) |

| | |
|--------------------|------------------------|
| Max. Pull Tension: | 1262.1 lbs (572.48 kg) |
| Bulk Cable Weight: | 410 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Indoor, Outdoor, Sunlight Resistance, Burial |
| Flammability / Reaction to Fire: | UL 1685 UL loading, IEEE 1202 FT4 |
| NEC / UL Compliance: | Article 336, TC-ER, THWN-2 Singles |
| European Directive Compliance: | EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.611 Revision Date: 02-03-2025 |
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Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC |
|-----------------|-------|------------|-----------|--------------|
| 28153A 0105000 | Black | Reel | 5,000 ft | 612825135531 |
| 28153A 01010000 | Black | Reel | 10,000 ft | 612825135524 |

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