



**Product:** [28336A](#)

TC VN/PVC, 9 C #18 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, 9 Conductor 18AWG (7x26) 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 |
|------------------------|---|

#### Construction Details

##### Conductor

| Element      | No. of Elements | Size   | Stranding | Material         |
|--------------|-----------------|--------|-----------|------------------|
| Conductor(s) | 9               | 18 AWG | 7x26      | 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) | 0.087 in (2.2 mm)        | Black, Red, Blue, Orange, Yellow, Brown, Red/Black, Blue/Black, Orange/Black |

##### Outer Shield

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

##### Outer Jacket

| Material                 | Nom. Thickness    | Nom. Diameter | Ripcord |
|--------------------------|-------------------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.047 in (1.2 mm) | 0.409 in      | Yes     |

|                                   |          |
|-----------------------------------|----------|
| Overall Cable Diameter (Nominal): | 0.409 in |
|-----------------------------------|----------|

#### Electrical Characteristics

##### Electricals

| Nom. Conductor DCR | Max. Current                   |
|--------------------|--------------------------------|
| 6.7 Ohm/1000ft     | 9.8 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. |
|---------------------|-------------------|
| 1.636 in (41.55 mm) | 2.045 in          |

|                    |                   |
|--------------------|-------------------|
| Max. Pull Tension: | 198 lbs (89.8 kg) |
| Bulk Cable Weight: | 107 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: 0.221 Revision Date: 06-07-2023 |
|----------------------|--|

## Part Numbers

### Variants

| Item #          | Color | Putup Type | Length    | UPC          | Footnote |
|-----------------|-------|------------|-----------|--------------|----------|
| 28336A 0105000  | Black | Reel       | 5,000 ft  | 612825136064 | C Z      |
| 28336A 01010000 | Black | Reel       | 10,000 ft | 612825136057 | C Z      |

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