



Product: [28629AS](#)

TC VN/PVC, 37 C #14 Str BC, PVC-NYL Ins E2, OS, Blk PVC Jkt, 600V
TC-ER 150V NPLF 90C Dry/Wet SUN RES DIR BUR

Product Description

UL Type TC (1277) PVC-Nylon/PVC, 37 Conductor 14AWG (Class B) Bare Copper, PVC-NYL Insulation E2 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, 600V TC-ER 150V NPLF 90C Dry/Wet SUN RES DIR BUR

Technical Specifications

Physical Characteristics (Overall)

Conductor

| Element | AWG | Stranding | Material | No. of Conductors |
|--------------|-----|-----------|------------------|-------------------|
| Conductor(s) | 14 | 7x22 | BC - Bare Copper | 37 |

| | |
|------------------|----|
| Conductor Count: | 37 |
|------------------|----|

Insulation

| Material | Nominal Diameter |
|--|------------------|
| PVC/Nylon - Polyvinyl Chloride + Nylon | 0.112 in |

Color Chart

| Number | Color |
|--------|---------------|
| 1 | Black |
| 2 | Red |
| 3 | Blue |
| 4 | Orange |
| 5 | Yellow |
| 6 | Brown |
| 7 | Red/Black |
| 8 | Blue/Black |
| 9 | Orange/Black |
| 10 | Yellow/Black |
| 11 | Brown/Black |
| 12 | Black/Red |
| 13 | Blue/Red |
| 14 | Orange/Red |
| 15 | Yellow/Red |
| 16 | Brown/Red |
| 17 | Black/Blue |
| 18 | Red/Blue |
| 19 | Orange/Blue |
| 20 | Yellow/Blue |
| 21 | Brown/Blue |
| 22 | Black/Orange |
| 23 | Red/Orange |
| 24 | Blue/Orange |
| 25 | Yellow/Orange |
| 26 | Brown/Orange |
| 27 | Black/Yellow |

| | |
|----|---------------|
| 28 | Red/Yellow |
| 29 | Blue/Yellow |
| 30 | Orange/Yellow |
| 31 | Brown/Yellow |
| 32 | Black/Brown |
| 33 | Red/Brown |
| 34 | Blue/Brown |
| 35 | Orange/Brown |
| 36 | Yellow/Brown |
| 1 | Black |

Outer Shield

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG |
|------|-------------------------|---------------------|--------------|--------------------|---------------|
| Tape | Bi-Laminate (Alum+Poly) | Beldfoil® | 100% | TC - Tinned Copper | 14 |

Outer Jacket

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.983 in | 0.083 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 2.52 Ohm/1000ft |

Current

| Max. Recommended Current [A] |
|-------------------------------|
| 10 Amps per Conductor at 30°C |

Voltage

| UL Description | UL Voltage Rating | Voltage Rating [V] |
|----------------|---------------------|---------------------|
| TC-ER | 600 V RMS (Type TC) | 600 V RMS (Type TC) |

Temperature Range

| | |
|-----------------------|--------------------|
| UL Temp Rating: | 90°C Dry, 90°C Wet |
| Operating Temp Range: | -25°C To +90°C |
| Wet Temp Range: | -30°C To +90 °C |
| Dry Temp Range: | -30°C To +90 °C |

Mechanical Characteristics

| | |
|----------------------------|---------|
| UV Resistance: | Yes |
| Min Bend Radius (Overall): | 9.83 in |

Standards

| | |
|----------------------|-------|
| NEC/(UL) Compliance: | TC-ER |
|----------------------|-------|

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) |
| 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, LS0H, Toxicity Testing

| | |
|--------------------|---------------------------------|
| UL Flammability: | UL1685 Vertical Tray Flame Test |
| UL voltage rating: | 600 V RMS (Type TC) |

Part Number

Variants

| Item # | Put-Up Type |
|-----------------|-------------|
| 28629AS 0102500 | Reel |

History

| | |
|----------------------|---|
| Update and Revision: | Revision Number: 0.43 Revision Date: 08-27-2021 |
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