



Product: [28150A](#)

TC VN/PVC, 3+G C #8+10 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 8+10AWG (7x16+7x18) Bare Copper, PVC-NYL Insulation M4 Color Code, Black PVC Outer Jacket, 600V TC-ER 90C Dry/Wet SUN RES DIR BUR

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|------------------|-------------------|
| 8 | 7x16 | BC - Bare Copper | 3 |
| 10 | | BC - Bare Copper | 1 |

Conductor Count: 3

Insulation

| Material |
|--|
| PVC/Nylon - Polyvinyl Chloride + Nylon |
| No Insulation |

Color Chart

| Color |
|--------------------|
| BLACK AND NUMBERED |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.595 in | 0.063 in |

Construction and Dimensions

Cabling

| Twists |
|--------------|
| 1.6 twist/ft |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 0.64 Ohm/1000ft |

Current

| Max. Recommended Current [A] |
|-------------------------------|
| 55 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: | Wet/Dry: -30°C to 90°C |
| Wet Temp Range: | -30°C To +90 °C |
| Dry Temp Range: | -30°C To +90 °C |

Mechanical Characteristics

| | |
|-----------------------------|----------------|
| Bulk Cable Weight: | 286 lbs/1000ft |
| Max. Pull Tension: | 399 lbs |
| Min Bend Radius/Minor Axis: | 2.38 in |

Standards

| | |
|----------------------|-----------------------|
| NEC/(UL) Compliance: | TC-ER, THWN-2 Singles |
| Other Compliance: | S-95-658, S-61-402 |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/96/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 RoHS Compliance Date (yyyy-mm-dd): | 2005-04-01 |
| MII Order #39 (China RoHS): | Yes |

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 |
| CSA Flammability: | FT4 |
| IEEE Flammability: | 1202 |
| UL voltage rating: | 600 V RMS (Type TC) |

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Part Number

Variants

| Item # | Color | Putup Type | Length | UPC |
|-----------------|-------|------------|-----------|--------------|
| 28150A 0105000 | Black | Reel | 5,000 ft | 612825135494 |
| 28150A 01010000 | Black | Reel | 10,000 ft | 612825135470 |

| | |
|-----------|--|
| Footnote: | C - CRATE REEL PUT-UP. |
| Footnote: | Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN. |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.206 Revision Date: 06-24-2020 |
|----------------------|--|

© 2020 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.