



Product: [28625A](#)

TC VN/PVC, 20 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, 20 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 |
|------------------------|---|

Construction Details

| Conductor | | | | |
|-----------------------------------|--|--------------------|--------------------------|---|
| Element | No. of Elements | Size | Stranding | Material |
| Conductor(s) | 20 | 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, Brown, Red/Black, Blue/Black, Orange/Black, Yellow/Black, Brown/Black, Black/Red, Blue/Red, Orange/Red, Yellow/Red, Brown/Red, Black/Blue, Red/Blue, Orange/Blue, Yellow/Blue |
| Outer Shield | | | | |
| Material | | | | |
| No Shield | | | | |
| Outer Jacket | | | | |
| Material | Nom. Thickness | Nom. Diameter | Ripcord | |
| PVC - Polyvinyl Chloride | 0.063 in (1.6 mm) | 0.646 in (16.4 mm) | Yes | |
| Overall Cable Diameter (Nominal): | | 0.646 in (16.4 mm) | | |

Electrical Characteristics

| Electricals | |
|--------------------|------------------------------|
| Nom. Conductor DCR | Max. Current |
| 4.45 Ohm/1000ft | 9 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. |

| | |
|---------------------|-------------------|
| 2.584 in (65.63 mm) | 3.23 in (82.0 mm) |
|---------------------|-------------------|

| | |
|--------------------|------------------|
| Max. Pull Tension: | 714 lbs (324 kg) |
| Bulk Cable Weight: | 279 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 760, Article 336, Article 402, 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: 0.338 Revision Date: 04-14-2023 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC | Footnote |
|-----------------|-------|------------|----------|--------------|----------|
| 28625A 01015000 | | Reel | | 612825331025 | |
| 28625A 0105000 | Black | Reel | 5,000 ft | 612825136309 | C Z |

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