



# Product: <u>27082A</u> ☑

# TC VN/PVC, 4 C #14 Str BC, PVC-NYL Ins E2, Blk PVC Jkt, 600V TC 150V NPLF 90C Dry/Wet SUN RES DIR BUR

## **Product Description**

UL Type TC (1277) PVC-Nylon/PVC, 4 Conductor 14AWG (7x22) Bare Copper, PVC-NYL Insulation E2 Color Code, Black PVC Outer Jacket, 600V TC 150V NPLF 90C Dry/Wet SUN RES DIR BUR

| Product Overview  Suitable Applications: Power and Control Applications up to 600V; Class 1 Division 2 Hazardous Locations; Recommended Cable Gland Belden BTC075A0561  Construction Details  Conductor  Elements No. of Elements Size Stranding Material Conductor(s) 4 1 4 AWG 7x2 1 6 - Bare Cooper  Insulation Conductor(s) PVCNylon - Polyvinyl Chloride + Nylon 0.024 in (0.61 mm) 0.116 in (2.95 mm) Black, Red, Blue, Orange  Cuter Shield  Material No Shield  Outer Jacket  Material No Shield  Outer Jacket  Elements Nom Thickness Nom Diameter Ripcord PVC - Polyvinyl Chloride 1.0374 in Yes  Overal Cable Diameter (Nominal): 0.374 in Yes  Cuter Shield  Nom Conductor PDER Max Current 2.3 Cohm/1000t 2 4 Amps per Conductor at 30°C  Yotage  Material No Shield  Cuter Shield  Max Current 2.4 Cohmistor DER Max Current 2.5 Cohmistor DER Max Current 2.5 Cohmistor DER Max Current 2.5 Characteristics  Fuertical  Nom Conductor DER Max Current 2.5 Characteristics  Fuertical  Fuerical  Fuerical  Fuertical  Fuertical  Fuertical  Fuertical  F | Technical Specificatio   | ons                                |                      |                               |                           |                                   |
|--|--|------------------------------------|----------------------|-------------------------------|---------------------------|-----------------------------------|
| Construction Details Conductor  Element No. of Elements Sizo Stranding Material Conductor(s) 4 14 AWG 7x22 BC - Bare Copper Insulation  Element Material Nom. Thickness Nom. Insulation Diameter Color Code Conductor(s) PVC/Nylon - Polyvinyl Chloride + Nylon 0.024 in (0.81 mm) 0.116 in (2.95 mm) Black, Red, Blue, Orange Outer Shield Material Nom. Thickness Nom. Diameter Ripcore PVC - Polyvinyl Chloride 0.047 in (1.2 mm) 0.374 in Yes Overall Cable Diameter (Nominal): 0.374 in Electrical Characteristics Electricals Nom. Conductor DCR Max. Current 24 Amps per Conductor at 30°C Voltage UL Voltage Rating 600 V(TC), 150 V (NPLF) Material Shield Nom. Conductor DCR Max. Current 24 Amps per Conductor at 30°C Voltage Material Shield S | Product Overview   |                                    |                      |                               |                           |                                   |
| Conductors   Eloment No. of Elements Size Stranding Material   Conductor(s) 4 14 AWG 7x22 BC - Bare Copper   Insulation    Eloment Material Nom. Thickness Nom. Insulation Diameter Color Code   Conductor(s) PVC/Nylon - Polyvinyl Chloride + Nylon 0.024 in (0.61 mm) 0.116 in (2.95 mm) Black, Red, Blue, Orange   Uter Shield  Material No Shield    Material Nom. Thickness Nom. Diameter Ripcord   PVC - Polyvinyl Chloride 0.047 in (1.2 mm) 0.374 in Yes   Overall Cable Diameter (Nominal):   0.374 in Yes   Conductor DCR   Max. Current   2.6 Ohm/1000t 24 Amps per Conductor at 30°C   Voltage Rating 600 V(TC), 150 V (NPLF) Mechanical Characteristics   | Suitable Applications:   | Power and Control                  | Applications up to 6 | 00V; Class 1 Division 2 Hazar | rdous Locations; Recommer | nded Cable Gland Belden BTC075A05 |
| Elements No. of Elements Size Stranding Material   Conductor(s) 4 14 AWG 7x22 BC - Bare Copper   nsulation    Element Material Nom. Thickness Nom. Insulation Diameter Color Code   Conductor(s) PVC/Nylon - Polyvinyl Chlorid + Nylon 0.024 in (0.61 mm) 0.116 in (2.95 mm) Black, Red, Blue, Orange   Duter Shield   Material Nom. Thickness Nom. Onlameter Ripcord   PVC. Polyvinyl Chlorid 0.037 in Yes   Overall Cable Diameter (Nominal):   0.374 in Yes   Coverall Cable Characteristics   Electrical Max. Current   2.6 Ohm/10000T 24 Amps per Conductor at 30°C   Voltage   UL Voltage Rating   600 V (TC), 150 V (NPLF)   Wetchanical Characteristics Voltage Voltag   | Construction Details   |                                    |                      |                               |                           |                                   |
| Conductor(s) 4 14 AWG 7x22 BC - Bare Copper     Isulation     Element Material Material Nom. Thickness Nom. Insulation Diameter Color Code   Duer Shield   Material Nom. Thickness Nom. On Jameter Ripcord   PVC- Polyvinyl Chloride 0.0374 in Yes   Overall Cable Diameter (Nominal):   0.374 in Yes   Overall Cable Diameter (Nominal):   0.44 Amps per conductor at 30°C   Voltage   U. Voltage Rating   000 V (TC), 150 V (NPLF)   Vechanical Characteristics   | Conductor  |                                    |                      |                               |                           |                                   |
| nsulation  Element Material Nom. Thickness Nom. Insulation Diameter Color Code Conductor(s) PVC/Nylon - Polyvinyl Chloride + Nylon 0.024 in (0.61 mm) 0.116 in (2.95 mm) Black, Red, Blue, Orange Duter Shield Material No Shield Duter Jacket  Material Nom. Thickness Nom. Diameter Ripcord PVC - Polyvinyl Chloride 0.047 in (1.2 mm) 0.374 in Yes  Overall Cable Diameter (Nominal): 0.374 in  Electrical Characteristics  Sterctcals Nom. Conductor DCR Max. Current 2.8 Ohm/1000t 24 Amps per Conductor at 30°C  Votage UL Votage Rating 600 V (TC), 150 V (NPLF)  Vechanical Characteristics  | Element No. of Elements  | Size Stranding                     | Material             |                               |                           |                                   |
| Element       Material       Nom. Thickness       Nom. Insulation Diameter       Color Code         Conductor(s)       PVC/Nylon - Polyvinyl Chloride + Nylon       0.024 in (0.61 mm)       0.116 in (2.95 mm)       Black, Red, Blue, Orange         Duter Shield       Material       Nom. Thickness       Nom. Diameter       Ripcord         PVC - Polyvinyl Chloride       0.047 in (1.2 mm)       0.374 in       Yes         Overall Cable Diameter (Nominal):       0.374 in       Yes         Electrical Characteristics       State Sta  | Conductor(s) 4   | 14 AWG 7x22                        | BC - Bare Copper     |                               |                           |                                   |
| Conductor(s) PVC/Nylon - Polyvinyl Chloride + Nylon 0.024 in (0.61 mm) 0.116 in (2.95 mm) Black, Red, Blue, Orange   Puter Shield    Material Nom. Thickness Nom. Dimeter Ripcord   PVC - Polyvinyl Chloride 0.047 in (1.2 mm) 0.374 in   PVC - Polyvinyl Chloride 0.047 in (1.2 mm) 0.374 in   PCetrical Characteristics Version  | nsulation  |                                    |                      | a                             |                           |                                   |
| huter Shield<br>Material<br>No Shield<br>Material<br>Nom. Thickness<br>Nom. Diameter<br>Nom. Diameter<br>Nom. Conductor DCR<br>Sectrical Characteristics<br>Hetricals<br>Nom. Conductor DCR<br>24 Amps per Conductor at 30°C<br>oltage<br>UL Voltage Rating<br>600 V (TC), 150 V (NPLF)<br>Acchanical Characteristics  | Element Ma   | iterial                            | Nom. Thickness       | Nom. Insulation Diameter      | Color Code                |                                   |
| Material<br>No Shield<br>Duter Jacket<br>Material<br>Nom. Thickness<br>Nom. Diameter<br>PVC - Polyvinyl Chloride<br>0.047 in (1.2 mm) 0.374 in<br>Ves<br>Overall Cable Diameter (Nominal): 0.374 in<br>Coverall Cable Diameter (Nominal): 0.374 in<br>Electrical Characteristics<br>Electrical Characteristics<br>Electricals<br>Nom. Conductor DCR Max. Current<br>2.6 Ohm/1000f<br>24 Amps per Conductor at 30°C<br>Voltage Rating<br>600 V (TC), 150 V (NPLF)<br>Electrical Characteristics   | Conductor(s) PVC/Nylon - Polyv   | vinyl Chloride + Nylon             | 0.024 in (0.61 mm)   | 0.116 in (2.95 mm)            | Black, Red, Blue, Orange  |                                   |
| Electricals       Nom. Conductor DCR     Max. Current       2.6 Ohm/1000ft     24 Amps per Conductor at 30°C       Toltage       UL Voltage Rating       600 V (TC), 150 V (NPLF)  | Material         Nom. T           PVC - Polyvinyl Chloride         0.047 ir           Overall Cable Diameter (Nominal) | n (1.2 mm) 0.374 in<br>): 0.374 in |                      |                               |                           |                                   |
| Nom. Conductor DCR       Max. Current         2.6 Ohm/1000ft       24 Amps per Conductor at 30°C         /oltage       UL Voltage Rating         600 V (TC), 150 V (NPLF)         /lechanical Characteristics  |  | S                                  |                      |                               |                           |                                   |
| 2.6 Ohm/1000ft 24 Amps per Conductor at 30°C  /ottage UL Voltage Rating 600 V (TC), 150 V (NPLF)  Mechanical Characteristics   |  | May Current                        |                      |                               |                           |                                   |
| UL Voltage Rating<br>600 V (TC), 150 V (NPLF)<br>Mechanical Characteristics  |  |                                    | °C                   |                               |                           |                                   |
|  | UL Voltage Rating  |                                    |                      |                               |                           |                                   |
| · · · · · · · · · · · · · · · · · · ·  | Mechanical Characterist  | ics                                |                      |                               |                           |                                   |
|  | emperature   |                                    |                      |                               |                           |                                   |

| UL Temperature     | Operating                   |  |  |
|--------------------|-----------------------------|--|--|
| 90°C Dry, 75°C Wet | -30°C To +75°C Wet/90°C Dry |  |  |

#### Bend Radius

| Stationary Min.     | Installation Min. |  |
|---------------------|-------------------|--|
| 1.496 in (38.00 mm) | 1.87 in           |  |

| Max. Pull Tension: | 218 lbs (98.9 kg) |
|--------------------|-------------------|
| Bulk Cable Weight: | 97 lbs/1000ft     |

### **Standards and Compliance**

| Environmental Suitability:       | Indoor, Outdoor, Sunlight Resistance, Burial  |
|----------------------------------|---|
| Flammability / Reaction to Fire: | UL1685 UL Loading, T-29-520, IEEE 1202 FT4  |
| NEC / UL Compliance:             | Article 336, NPLF, TC, THHN, THWN   |
| 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: Re

Revision Number: 0.596 Revision Date: 02-03-2025

#### **Part Numbers**

#### Variants

| ltem #          | Color | Putup Type | Length    | UPC          | Footnote |
|-----------------|-------|------------|-----------|--------------|----------|
| 27082A 0105000  | Black | Reel       | 5,000 ft  | 612825132677 | CZ       |
| 27082A 01010000 | Black | Reel       | 10,000 ft | 612825132660 | С        |

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