



# 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 Material No Shield Material Nom. Thickness Nom. Diameter Nom. Diameter Nom. Conductor DCR Sectrical Characteristics Hetricals Nom. Conductor DCR 24 Amps per Conductor at 30°C oltage UL Voltage Rating 600 V (TC), 150 V (NPLF) Acchanical Characteristics	Element Ma	iterial	Nom. Thickness	Nom. Insulation Diameter	Color Code	
Material No Shield Duter Jacket Material Nom. Thickness Nom. Diameter PVC - Polyvinyl Chloride 0.047 in (1.2 mm) 0.374 in Ves Overall Cable Diameter (Nominal): 0.374 in Coverall Cable Diameter (Nominal): 0.374 in Electrical Characteristics Electrical Characteristics Electricals Nom. Conductor DCR Max. Current 2.6 Ohm/1000f 24 Amps per Conductor at 30°C Voltage Rating 600 V (TC), 150 V (NPLF) 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 ): 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 600 V (TC), 150 V (NPLF) 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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