



Product: [27153A](#)

TC VN/PVC, 3+G C #6+8 Str BC, PVC-NYL Ins M4, Blk PVC Jkt, 600V TC 90C Wet/Dry SUN RES DIR BUR

Product Description

UL Type TC (1277) PVC-Nylon/PVC, 3+G Conductor 6+8AWG (7x14+7x16) Bare Copper, PVC-NYL Insulation M4 Color Code, Black PVC Outer Jacket, 600V TC 90C Wet/Dry SUN RES DIR BUR

Technical Specifications

Product Overview

Suitable Applications:	Power and Control Applications up to 600V; Class 1 Division 2 Hazardous Locations; Recommended Cable Gland Belden BTC075A0791RA
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	3	6 AWG	7x14	BC - Bare Copper
Ground Wire	1	8 AWG	7x16	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.038 in (0.97 mm)	0.254 in (6.45 mm)	Black and Numbered
Ground Wire	No Insulation			

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.063 in (1.6 mm)	0.68 in (17 mm)	Yes

Overall Cable Diameter (Nominal): 0.68 in (17 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	0.42 Ohm/1000ft	75 Amps per Conductor at 30°C
Ground Wire	0.68 Ohm/1000ft (2.2 Ohm/km)	57 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
600 V

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.
2.72 in (69.1 mm)	3.4 in (86 mm)

Max. Pull Tension:	1262.1 lbs (572.48 kg)
Bulk Cable Weight:	410 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL1685 UL Loading, IEEE 1202 FT4
NEC / UL Compliance:	Article 336, TC, THWN-2
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: 0.659 Revision Date: 04-11-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
27153A 0105000	Black	Reel	5,000 ft	612825133315	C

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