Product: 28327A

TC VN/PVC, 7 C #18 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, 7 Conductor 18AWG (7x26) 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	Number of Element	Size	Stranding	Material
Conductor(s)	7	18 AWG	7x26	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.022 in (0.56 mm)	0.088 in (2.2 mm)	Black, Red, Blue, Orange, Yellow, Brown, Red/Black

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.047 in (1.2 mm)	0.360 in (9.14 mm)	Yes

Overall Cable Diameter (Nominal):	0.360 in (9.14 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
6.7 Ohm/1000ft	9.8 Amps per Conductor at 30ºC

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.
1.44 in (36.6 mm)	1.8 in (46 mm)

Max. Pull Tension:	154 lbs (69.9 kg)
Bulk Cable Weight:	81lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL1685 UL Loading, IEEE 1202 FT4
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 336, Article 400, Article 760, 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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	ICEA S-73-532, S-61-402

History

Update and Revision:	Revision Number: 0.519 Revision Date: 01-20-2023

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
28327A 0105000	Black	Reel	5,000 ft	612825135845
28327A 01010000	Black	Reel	10,000 ft	612825135838