



Product: [27082A](#)

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

Technical Specifications

Product Overview

Suitable Applications:	Power and Control Applications up to 600V
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Construction Details

Conductor				
Element	No. of Elements	Size	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 (0.61 mm)	0.116 in (2.95 mm)	Black, Red, Blue, Orange

Outer Shield	
Material	No Shield

Outer 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
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Electrical Characteristics

Electricals	
Nom. Conductor DCR	Max. Current
2.6 Ohm/1000ft	24 Amps per Conductor at 30°C

Voltage	
UL Voltage Rating	600 V (TC), 150 V (NPLF)

Mechanical Characteristics

Temperature	
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:	Revision Number: 0.465 Revision Date: 06-07-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
27082A 0105000	Black	Reel	5,000 ft	612825132677	C Z
27082A 01010000	Black	Reel	10,000 ft	612825132660	C

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