



Product: [28098A](#)

TC VN/PVC, 20 C #14 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, 20 Conductor 14AWG (7x22) 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
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Construction Details

Conductor				
Element	No. of Elements	Size	Stranding	Material
Conductor(s)	20	14 AWG	7x22	BC - Bare Copper

Insulation				
Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.021 in (0.53 mm)	0.113 in mm	Black, Red, Blue, Orange, Yellow, Brown, Red/Black, Blue/Black, Orange/Black, Yellow/Black, Brown/Black, Black/Red, Blue/Red, Orange/Red, Yellow/Red, Brown/Red, Black/Blue, Red/Blue, Orange/Blue, Yellow/Blue

Outer Shield

Material
No Shield

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.063 in (1.6 mm)	0.726 in (18.4 mm)	Yes

Overall Cable Diameter (Nominal):	0.726 in (18.4 mm)
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Electrical Characteristics

Electricals	
Nom. Conductor DCR	Max. Current
2.7 Ohm/1000ft	12.5 Amps per Conductor at 30°C

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

Mechanical Characteristics

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

Bend Radius	
Stationary Min.	Installation Min.

2.904 in (73.76 mm)	3.63 in (92.2 mm)
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Max. Pull Tension:	874 lbs (396 kg)
Bulk Cable Weight:	408 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance, Burial
Flammability / Reaction to Fire:	UL1685 UL Loading, IEEE 1202 FT4
NEC / UL Compliance:	Article 336, TC-ER, 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: 0.266 Revision Date: 03-27-2024
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Part Numbers

Variants

Item #	Putup Type	UPC
28098A 0105000	Reel	612825330325
28098A 0105000	Reel	612825330325

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