



Product: [27600A](#)

TC VN/PVC, 6 C #18 Str BC, PVC-NYL Ins E2, Blk PVC Jkt, 600V TC 150V NPLF 90C Dry 75C Wet SUN RES DIR BUR

Product Description

UL Type TC (1277) PVC-Nylon/PVC, 6 Conductor 18AWG (7x26) Bare Copper, PVC-NYL Insulation E2 Color Code, Black PVC Outer Jacket, 600V TC 150V NPLF 90C Dry 75C Wet SUN RES DIR BUR

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
18	7x26	BC - Bare Copper	6

Conductor Count: 6

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC/Nylon - Polyvinyl Chloride + Nylon	0.088 in	0.021 in

Color Chart

Number	Color
1	Black
2	Red
3	Blue
4	Orange
5	Yellow
6	Brown

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.358 in	0.047 in	Yes

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
5.86 Ohm/1000ft

Current

Max. Recommended Current [A]
4.8 Amps per Conductor at 30°C

Voltage

Description	UL Description	UL Voltage Rating	Voltage Rating [V]
Type TC	TC	600 V RMS (Type TC)	600 V RMS (Type TC)
	NPLF	150 V RMS (Type NPLF)	

Temperature Range

UL Temp Rating: 75°C Wet, 90°C Dry

Operating Temp Range:	-30°C To +90°C
Wet Temp Range:	-30°C To +75 °C
Dry Temp Range:	-30°C To +90 °C

Mechanical Characteristics

UV Resistance:	Yes
Bulk Cable Weight:	76 lbs/1000ft
Max. Pull Tension:	78 lbs
Min Bend Radius/Minor Axis:	1.44 in

Standards

NEC/(UL) Compliance:	NPLF, TC
Other Compliance:	ICEA S-73-532, S-61-402
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Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	Yes
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL 1685 UL Loading
CSA Flammability:	FT4
IEEE Flammability:	1202
UL voltage rating:	600 V RMS (Type TC)

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
27600A 0105000	Black	Reel	5,000 ft	612825134138
27600A 01010000	Black	Reel	10,000 ft	612825134121

Footnote:	C - CRATE REEL PUT-UP.
Footnote:	Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

History

Update and Revision:	Revision Number: 0.220 Revision Date: 06-24-2020
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