



**Product:** [28156A](#)

TC VN/PVC, 3+G C #4+8 Str BC, PVC-NYL Ins M4, Blk PVC Jkt, 600V  
TC-ER 90C Dry/Wet SUN RES DIR BUR

### Product Description

UL Type TC (1277) PVC-Nylon/PVC, 3+G Conductor 4+8AWG (7x12+7x16) Bare Copper, PVC-NYL Insulation M4 Color Code, Black PVC Outer Jacket, 600V TC-ER 90C Dry/Wet SUN RES DIR BUR

### Technical Specifications

#### Physical Characteristics (Overall)

##### Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor	4	7x12	BC - Bare Copper	3
Ground	8	7x16	BC - Bare Copper	1

Conductor Count: 3

##### Insulation

Material
PVC/Nylon - Polyvinyl Chloride/Nylon Skin
No Insulation

##### Color Chart

Number	Color
1	Black and Numbered 1
2	Black and Numbered 2
3	Black and Numbered 3

##### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.822 in	0.063 in	Yes

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR
0.26 Ohm/1000ft

##### Current

Max. Recommended Current [A]
95 Amps per conductor @ 30°C

##### Voltage

UL Description	UL Voltage Rating	Voltage Rating [V]
TC-ER	600 V RMS (Type TC)	600 V RMS (Type TC)

#### Temperature Range

UL Temp Rating:	90°C Dry, 90°C Wet
Operating Temp Range:	Wet/Dry: -30°C to 90°C

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

## Mechanical Characteristics

Bulk Cable Weight:	630 lbs/1000ft
Max Recommended Pulling Tension:	1002 lbs
Min Bend Radius/Minor Axis:	3.29 in

## Standards

NEC/(UL) Specification:	TC-ER, THWN-2 Singles
Other Specification:	S-95-658, S-61-402

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

## Suitability

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

## Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 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
28156A 0105000	Black	Reel	5,000 ft	612825135593
28156A 01010000	Black	Reel	10,000 ft	612825135586

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: 0.275 Revision Date: 04-28-2020
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