



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

TC VN/PVC, 3+G C #4+8 Str BC, PVC-NYL Ins M4, LCS, 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 (Class B) Bare Copper, PVC-NYL Insulation M4 Color Code, Longitudinal Corrugated Copper Tape, Black PVC Outer Jacket, 600V TC-ER 90C Dry/Wet SUN RES DIR BUR

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

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

Conductor Count:	3
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**Insulation**

Material	Nominal Diameter
PVC/Nylon - Polyvinyl Chloride + Nylon	0.309 in
No Insulation	

**Color Chart**

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

**Outer Shield Material**

Type	Description	Material	Material Trade Name	Coverage [%]
Corrugated Tape	.005"	Bare Copper (BC)	Belclad®	100%

**Outer Jacket Material**

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.980 in	0.085 in

**Electrical Characteristics**

**Conductor DCR**

<b>Nominal Conductor DCR</b>
0.26 Ohm/1000ft

**Current**

<b>Max. Recommended Current [A]</b>
95 Amps per Conductor at 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:	-25°C To +90°C
Wet Temp Range:	-30°C To +90 °C
Dry Temp Range:	-30°C To +90 °C

## Mechanical Characteristics

UV Resistance:	Yes
Bulk Cable Weight:	802 lbs/1000ft
Max. Pull Tension:	1002 lbs
Min Bend Radius (Overall):	9.80 in

## Standards

NEC/(UL) Compliance:	TC-ER, THWN-2
Other Compliance:	ICEA S-73-532, S-95-658, S-61-404

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	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:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65:	Yes

## Suitability

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

## Flammability, LSOH, Toxicity Testing

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 #	Putup Type
28156AC 0105000	Reel

## History

Update and Revision:	Revision Number: 0.36 Revision Date: 09-30-2020
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