



**Product:** [28605AS](#)

TC VN/PVC, 15 C #18 Str BC, PVC-NYL Ins E2, OS, Blk PVC Jkt, 600V  
TC-ER 150V NPLF 90C Dry/Wet SUN RES DIR BUR

**Product Description**

UL Type TC (1277) PVC-Nylon/PVC, 15 Conductor 18AWG (7x26) Bare Copper, PVC-NYL Insulation E2 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, 600V TC-ER 150V NPLF 90C Dry/Wet SUN RES DIR BUR

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	18	7x26	BC - Bare Copper	15

Conductor Count:	15
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**Insulation**

Material	Nominal Diameter
PVC/Nylon - Polyvinyl Chloride + Nylon	0.087 in

**Color Chart**

Number	Color
1	Black
2	Red
3	Blue
4	Orange
5	Yellow
6	Brown
7	Red/Black
8	Blue/Black
9	Orange/Black
10	Yellow/Black
11	Brown/Black
12	Black/Red
13	Blue/Red
14	Orange/Red
15	Yellow/Red

**Outer Shield**

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	20

**Outer Jacket**

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.507 in	0.047 in

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR
5.86 Ohm/1000ft

#### Current

Max. Recommended Current [A]
7 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, 75°C Wet
Operating Temp Range:	-25°C To +90°C

#### Mechanical Characteristics

UV Resistance:	Yes
Min Bend Radius (Overall):	5.0 in

#### Standards

NEC/(UL) Compliance:	NPLF, TC-ER
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#### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01

#### Suitability

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

#### Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 Vertical Tray Flame Test
CSA Flammability:	FT4
IEEE Flammability:	1202
UL voltage rating:	600 V RMS (Type TC)

#### Part Number

#### Variants

Item #	Put-Up Type
28605AS 0105000	Reel

#### History

Update and Revision:	Revision Number: 0.43 Revision Date: 08-27-2021
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