



**Product:** [28111C](#)

TC XLPE/PVC, 4 C #12 Str BC, XLPE Ins E2, Blk PVC Jkt, 600V TC-ER 90C Dry/Wet SUN RES DIR BUR

## Product Description

UL Type TC (1277) XLPE/PVC, 4 Conductor 12AWG (Class B) Bare Copper, XLPE Insulation E2 Color Code, 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
12	7x20	BC - Bare Copper	4

Conductor Count:	4
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#### Insulation

Material	Nominal Diameter
XLP, XLPO, XLPE (Thermoset)	0.150 in

#### Color Chart

Number	Color
1	Black
2	Red
3	Blue
4	Orange

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.456 in	0.047 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
1.65 Ohm/1000ft

#### Current

Max. Recommended Current [A]
24 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:	-30°C To +90°C
Wet Temp Range:	-30°C To +90 °C

Dry Temp Range:	-30°C To +90 °C
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## Mechanical Characteristics

UV Resistance:	Yes
Bulk Cable Weight:	142 lbs/1000ft
Max. Pull Tension:	205 lbs
Min Bend Radius (Overall):	4.56 in
Min Bend Radius/Minor Axis:	1.82 in

## Standards

NEC/(UL) Compliance:	TC-ER, XHHW-2
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## 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, LS0H, 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	UPC
28111C 01010000	Reel	612825365921
28111C 01020000	Reel	
28111C 01025000	Reel	
28111C 01050000	Reel	612825425809
28111C 01010000	Reel	

## History

Update and Revision:	Revision Number: 0.35 Revision Date: 06-24-2020
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