



**Product:** [27139CU](#)

TC XLPE/PVC, 3+G C #10 Str BC, XLPE Ins E2, Blk PVC Jkt, 600V TC 90C Dry/Wet SUN RES DIR BUR

## Product Description

UL Type TC (1277) XLPE/PVC, 3+G Conductor 10AWG (7x18) Bare Copper, XLPE Insulation E2 Color Code, Black PVC Outer Jacket, 600V TC 90C Dry/Wet SUN RES DIR BUR

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
10	7x18	BC - Bare Copper	0.113 in	3
10		BC - Bare Copper	0.113 in	1

Conductor Count: 3

#### Insulation

Material	Nominal Diameter	Nominal Wall Thickness
XLPE, XLPO, XLPE (Thermoset)	0.174 in	0.031 in
No Insulation		

#### Color Chart

Number	Color
1	Black
2	Red
3	Blue

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.498 in	0.047 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
1.04 Ohm/1000ft

#### Current

Max. Recommended Current [A]
40 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)

### 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

## Mechanical Characteristics

UV Resistance:	Yes
Bulk Cable Weight:	194 lbs/1000ft
Max. Pull Tension:	249 lbs
Min Bend Radius (Overall):	5.0 in
Min Bend Radius/Minor Axis:	1.99 in

## Standards

NEC Articles:	Article 336
NEC/(UL) Compliance:	TC, XHHW-2
IEEE Compliance:	1202
Other Compliance:	ICEA S-73-532, S-95-658, S-61-402

## 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:	Yes
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
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
27139CU 0102500	Reel
27139CU 0105000	Reel
27139CU01010000	Reel
27139CU01012500	Reel
27139CU01020000	Reel

## History

Update and Revision:	Revision Number: 0.39 Revision Date: 02-16-2021
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