

**Part Number: YJ73025**

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



**Product Description**

UL Type TC (1277) PVC-Nylon/PVC, 3 Conductor 8AWG (7x16) Bare Copper, PVC-NYL Insulation , 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
	8	7x16	BC - Bare Copper	3
No Ground				

Conductor Count: 3

**Insulation**

Material
PVC/Nylon - Polyvinyl Chloride/Nylon
Uninsulated

**Color Chart**

Color
BLACK1-2+Yellow/Green

**Outer Shield Material**

Material
Unshielded

**Outer Jacket Material**

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.595 in	0.063 in

**Construction and Dimensions**

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR
0.64 Ohm/1000ft

**Current**

Max. Recommended Current [A]
55 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:	286 lbs/1000ft
Max Recommended Pulling Tension:	399 lbs
Min Bend Radius/Minor Axis:	2.38 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 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Suitability

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

## Flammability, LSOH, Toxicity Testing

C(UL) Flammability:	FT4
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	UPC	Length	Footnote
YJ73025 0101000	Black		1000 ft	C Z
YJ73025 010500	Black		500 ft	C Z

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: 0.179 Revision Date: 14-11-2019
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