



Part Number: 27337AS

TC VN/PVC, 2 C #16 Str BC, PVC-NYL Ins E2, OS, Blk PVC Jkt, 600V TC
150V NPLF 90C Dry 75C Wet SUN RES DIR BUR

Product Description

UL Type TC (1277) PVC-Nylon/PVC, 2 Conductor 16AWG (7x24) Bare Copper, PVC-NYL Insulation E2 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, 600V TC 150V NPLF 90C Dry 75C Wet SUN RES DIR BUR

Technical Specifications

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
	16	7x24	BC - Bare Copper	2
No Ground				

Conductor Count:	2
Total Number of Pairs:	1
Conductor Size:	16 AWG

Insulation

Material
PVC/Nylon - Polyvinyl Chloride/Nylon

Color Chart

Number	Color
1	Black
2	Red

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum/Polyester	Beldfoil®	100 %	TC - Tinned Copper	20	7x28 mm

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.302 in	0.047 in	Yes
	0.302 in		

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
4.2 Ohm/1000ft

Current

Max. Recommended Current [A]
8 Amps per conductor @ 30°C

Voltage

Voltage Rating [V]
600 V RMS

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 +75 °C
Dry Temp Range:	-30°C To +90 °C

Mechanical Characteristics

Bulk Cable Weight:	45 lbs/1000ft
Max Recommended Pulling Tension:	40 lbs
Min Bend Radius/Minor Axis:	3 in

Standards

NEC/(UL) Specification:	NPLF, TC, TFFN
Other Specification:	ICEA S-73-532, 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 Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 Vertical Tray Flame Test
CSA Flammability:	FT4
IEEE Flammability:	1202
UL voltage rating:	150 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Footnote
27337AS 0105000	Black	C Z
27337AS01010000	Black	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.

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