



Part Number: 28324A

TC VN/PVC, 25 C #16 Str BC, PVC-NYL Ins E2, Blk PVC Jkt, 600V TC-ER
150V NPLF 90C Dry/Wet SUN RES DIR BUR

Product Description

UL Type TC (1277) PVC-Nylon/PVC, 25 Conductor 16AWG (7x24) Bare Copper, PVC-NYL Insulation E2 Color Code, Black PVC Outer Jacket, 600V TC-ER 150V NPLF 90C Dry/Wet SUN RES DIR BUR

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
16	7x24	BC - Bare Copper	25

Conductor Count:	25
Conductor Size:	16 AWG

Insulation

Material	Nominal Diameter
PVC/Nylon - Polyvinyl Chloride/Nylon	0.101 in

Outer Shield Material

Material
Unshielded

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.747 in	0.063 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
4.2 Ohm/1000ft

Current

Max. Recommended Current [A]
8 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
600 V RMS
150 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:	367 lbs/1000ft
Max Recommended Pulling Tension:	875 lbs
Min Bend Radius/Minor Axis:	7.2 in

Standards

NEC Articles:	336
NEC/(UL) Specification:	NPLF, TC-ER, TFFN Singles
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 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 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LSOH, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1685 UL Loading
IEEE Flammability:	1202
UL voltage rating:	600 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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