

# Part Number: 28335A

TC VN/PVC, 5 C #18 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, 5 Conductor 18AWG (7x26) 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
18	7x26	BC - Bare Copper	5
Condu	ctor Count:		5
Condu	uctor Size:		18 AWG

#### Insulation

Material	Nominal Diameter
PVC/Nylon - Polyvinyl Chloride/Nylon	0.088 in

### Color Chart

Number	Color
1	Black
2	Red
3	Blue
4	Orange
5	Yellow

#### **Outer Shield Material**

Material Unshielded

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.338 in	0.047 in	Yes

## **Electrical Characteristics**

#### Conductor DCR

Nominal Conductor DCR

6.7 Ohm/1000ft

Current

Max. Recommended Current [A] 4.8 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:	62 lbs/1000ft
Max Recommended Pulling Tension:	110 lbs
Min Bend Radius/Minor Axis:	3.3 in

## Standards

NEC Articles:	336
NEC/(UL) Specification:	NPLF, TC-ER, TFFN Singles
Other Specification:	ICEA S-73-532, 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 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 - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

## Flammability, LS0H, 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		

# Part Number

## Variants

ltem #	Color	Footnote
28335A 01010000	Black	CZ
28335A 0105000	Black	CZ
Footnote:		
Footnote:		

© 2019 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.