



**Product: 27085A** ☑

TC VN/PVC, 7 C #14 Str BC, PVC-NYL Ins E2, Blk PVC Jkt, 600V TC 150V NPLF 90C Dry 75C Wet SUN RES DIR BUR

# **Product Description**

UL Type TC (1277) PVC-Nylon/PVC, 7 Conductor 14AWG (7x22) Bare Copper, PVC-NYL Insulation E2 Color Code, Black PVC Outer Jacket, 600V TC 150V NPLF 90C Dry 75C Wet SUN RES DIR BUR

# **Technical Specifications**

# **Physical Characteristics (Overall)**

# Conductor AWG Stranding Material No. of Conductors 14 7x22 BC - Bare Copper 7 Conductor Count: 7

#### Insulation

Material	Nominal Diameter
PVC/Nylon - Polyvinyl Chloride + Nylon	0.116 in

## Color Chart

Number	Color
1	Black
2	Red
3	Blue
4	Orange
5	Yellow
6	Brown
7	Red/Black

## **Outer Jacket Material**

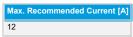
Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.442 in	0.047 in

## **Electrical Characteristics**

## **Conductor DCR**



## Current



# Voltage

<b>UL Description</b>	UL Voltage Rating	Voltage Rating [V]
TC	600 V RMS (Type TC)	600 V RMS (Type TC)
NPLF	150 V RMS (Type NPLF)	

# **Temperature Range**

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

## **Mechanical Characteristics**

Bulk Cable Weight:	153 lbs/1000ft
Max. Pull Tension:	380 lbs
Min Bend Radius/Minor Axis:	1.77 in

#### **Standards**

NEC/(UL) Compliance:	N/A
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 2003/96/EC (BFR):       Yes         EU Directive 2011/65/EU (ROHS II):       Yes         EU Directive 2012/19/EU (WEEE):       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): 2005-07-01	
MII Order #39 (China RoHS): Yes	

#### Suitability

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

# Flammability, LS0H, Toxicity Testing

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):
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## **Part Number**

## Variants

Item #	Color	Putup Type	Length	UPC
27085A 0105000	Black	Reel	5,000 ft	612825132776
27085A 01010000	Black	Reel	10,000 ft	612825132769
Footnote:			C - CR	ATE REEL PUT-L
Footnote: 2		Z - FIN	AL PUT-UP MAY	

## History

Update and Revision:	Revision Number: 0.316 Revision Date: 06-24-2020	
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