

## 27327A Multi-Conductor - 600V Type TC Cable



For more Information  
please call

1-800-Belden1



### General Description:

18 AWG multi-conductor stranded (7x26) bare copper conductors, PVC/Nylon insulation, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
7	18	7x26	BC - Bare Copper

Total Number of Conductors: 7

#### Insulation

Insulation Material:

Insulation Material
PVC/Nylon - Polyvinyl Chloride/Nylon

#### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.194

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Cabling Color Code Chart:

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

Overall Nominal Diameter: 9.144 mm

### Mechanical Characteristics (Overall)

Wet Temperature Range: -30°C To +75°C

Dry Temperature Range: -30°C To +90°C

Bulk Cable Weight: 117.568 Kg/Km

Max. Recommended Pulling Tension: 685.023 N

Min. Bend Radius/Minor Axis: 91.440 mm

### Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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NEC(UL) Specification:	NPLF, TC
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Other Specification:	ICEA S-73-532, S-61-402

### Flame Test

UL Flame Test:	UL1685 UL Loading
C(UL) Flame Test:	FT4
IEEE Flame Test:	1202

### Suitability

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

### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

### Nom. Conductor DC Resistance:

#### DCR @ 20°C (Ohm/km)

19.227

### Max. Operating Voltage - UL:

#### Voltage

600 V RMS (NEC Type TC)

150 V RMS (NPLF)

### Max. Recommended Current:

#### Current

4.8 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
27327A 01010000	10,000 FT	910.000 LB	BLACK	C Z	7 #18 PVC/NYL PVC
27327A 0105000	5,000 FT	455.000 LB	BLACK	C Z	7 #18 PVC/NYL PVC

### Notes:

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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