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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
25	18	7x26	BC - Bare Copper

Total Number of Conductors: 25

### 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	1.524

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
8	Blue/Black
9	Orange/Black
10	Yellow/Black
11	Brown/Black
12	Black/Red
13	Blue/Red
14	Orange/Red
15	Yellow/Red
16	Brown/Red
17	Black/Blue
18	Red/Blue
19	Orange/Blue
20	Yellow/Blue
21	Brown/Blue
22	Black/Orange
23	Red/Orange
24	Blue/Orange
25	Yellow/Orange

Overall Nominal Diameter: 16.764 mm

## Mechanical Characteristics (Overall)

Wet Temperature Range: -30°C To +75°C

## 28611A Multi-Conductor - 600V Type TC-ER Cable

Dry Temperature Range:	-30°C To +90°C
Bulk Cable Weight:	383.956 Kg/Km
Max. Recommended Pulling Tension:	2446.510 N
Min. Bend Radius/Minor Axis:	167.640 mm

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC(UL) Specification:	NPLF, TC-ER
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-95-658, 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)
21.9827

## 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
28611A 0105000	5,000 FT	1,455.000 LB	BLACK	C Z	25 #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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## METRIC MEASUREMENT VERSION

### 28611A Multi-Conductor - 600V Type TC-ER Cable

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