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please call

1-800-Belden1



### General Description:

18 AWG multi-conductor stranded (7x26) bare copper conductors, PVC/Nylon insulation, overall Beldfoil® shield (100% coverage) with drain wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
5	18	7x26	BC - Bare Copper

Total Number of Conductors: 5

#### Insulation

Insulation Material:

Insulation Material
PVC/Nylon - Polyvinyl Chloride/Nylon

#### Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100.000

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
18	7x26	Tinned Copper

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.143

Outer Jacket Ripcord: Yes

### Overall Cable

Overall Cabling Color Code Chart:

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

Overall Nominal Diameter: 8.509 mm

### Mechanical Characteristics (Overall)

Wet Temperature Range: -30°C To +75°C

Dry Temperature Range: -30°C To +90°C

Bulk Cable Weight: 92.268 Kg/Km

Max. Recommended Pulling Tension: 489.302 N

Min. Bend Radius/Minor Axis: 83.820 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & 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

## METRIC MEASUREMENT VERSION

## 28335AS Multi-Conductor - 600V Type TC-ER Cable

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
28335AS 0105000	5,000 FT	380.000 LB	BLACK	C Z	5 #18 PVC/NYL FS PVC
28335AS01010000	10,000 FT	750.000 LB	BLACK	C Z	5 #18 PVC/NYL FS 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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