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1-800-Belden1



### General Description:

2 AWG multi-conductor stranded (7x10) bare copper conductors, 6 AWG bare copper ground wire, PVC/Nylon insulation, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material
3	2	7x10	BC - Bare Copper

Total Number of Conductors: 3

#### Ground Wire

Ground Wire (Y/N): Y

Ground Wire AWG: 6

Ground Wire Stranding: 7x14

Ground Wire Conductor Material: BC - Bare Copper

#### 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	2.108

Outer Jacket Ripcord: Yes

#### Overall Cable

##### Overall Cabling Color Code Chart:

Number	Color
1	Black and Numbered 1
2	Black and Numbered 2
3	Black and Numbered 3

Overall Nominal Diameter: 25.070 mm

### Mechanical Characteristics (Overall)

Wet Temperature Range: -30°C To +75°C

Dry Temperature Range: -30°C To +90°C

Bulk Cable Weight: 1428.672 Kg/Km

Max. Recommended Pulling Tension: 10302.031 N

Min. Bend Radius/Minor Axis: 251.460 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	TC, THHN/THWN Singles
EU Directive 2011/65/EU (ROHS II):	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:	S-95-658, S-61-402

### Flame Test

UL Flame Test:	UL1685 UL Loading
CSA Flame Test:	FT4
IEEE Flame Test:	1202

### Suitability

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)

0.52496

### Max. Operating Voltage - UL:

Voltage

600 V RMS

### Max. Recommended Current:

Current

130 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
27159A 0105000	5,000 FT	4,225.000 LB	BLACK	C	3 #2 PVC/NYL + #6 GRD PVC

### Notes:

C = CRATE REEL PUT-UP.

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## 27159A Multi-Conductor - 600V Type TC Cable

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