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1-800-Belden1



### General Description:

8 AWG multi-conductor stranded (7x16) bare copper conductors, 10 AWG bare copper ground wire, PVC/Nylon insulation, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material
3	8	7x16	BC - Bare Copper

Total Number of Conductors: 3

#### Ground Wire

Ground Wire (Y/N): Y

Ground Wire AWG: 10

Ground Wire Stranding: 7x18

Ground Wire Conductor Material: BC - Bare Copper

Ground Wire Insulation Material: Uninsulated

#### 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	1.600

#### Overall Cable

##### Overall Cabling Lay Length & Direction:

Length (mm)	Twists (twist/m)
190.49925	5.2496

##### Overall Cabling Color Code Chart:

Color
BLACK AND NUMBERED

Overall Nominal Diameter: 14.986 mm

### Mechanical Characteristics (Overall)

Wet Temperature Range: -30°C To +75°C

Dry Temperature Range: -30°C To +90°C

Bulk Cable Weight: 425.625 Kg/Km

## 28150A Multi-Conductor - 600V Type TC-ER Cable

Max. Recommended Pulling Tension: 1774.832 N

Min. Bend Radius/Minor Axis: 59.944 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: TC-ER, 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

C(UL) Flame Test: FT4

#### Suitability

Suitability - Burial: Yes

Sunlight Resistance: Yes

#### Plenum/Non-Plenum

Plenum (Y/N): No

### Electrical Characteristics (Overall)

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

2.09984

#### Max. Operating Voltage - UL:

Voltage

600 V RMS

#### Max. Recommended Current:

Current

55 Amps per conductor @ 30°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
28150A 01010000	10,000 FT	3,170.000 LB	BLACK	C Z	3 #8 PVC/NYL + #10 GRD PVC
28150A 0105000	5,000 FT	1,615.000 LB	BLACK	C Z	3 #8 PVC/NYL + #10 GRD 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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