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1-800-Belden1



## General Description:

16 AWG multi-conductor stranded (7x24) bare copper conductors, PVC/Nylon insulation, PVC jacket.

## Physical Characteristics (Overall)

### Conductor

#### AWG:

# Conductors	AWG	Stranding	Conductor Material
4	16	7x24	BC - Bare Copper

Total Number of Conductors: 4

### Ground Wire

Ground Wire (Y/N): N

### 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	1.143

### Overall Cable

#### Overall Cabling Lay Length & Direction:

Length (mm)	Twists (twist/m)
88.89965	11.1554

Overall Nominal Diameter: 8.433 mm

## Mechanical Characteristics (Overall)

Wet Temperature Range: -30°C To +75°C

Dry Temperature Range: -30°C To +90°C

Bulk Cable Weight: 102.686 Kg/Km

Max. Recommended Pulling Tension: 622.748 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

METRIC MEASUREMENT VERSION

## 28338A Multi-Conductor - 600V Type TC-ER Cable)

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

### Plenum/Non-Plenum

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

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
162.738

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
13.7802

### Max. Recommended Current:

Current
7 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
28338A 01010000	10,000 FT	770.000 LB	BLACK	C Z	4 #16 PVC/NYL PVC
28338A 0105000	5,000 FT	390.000 LB	BLACK	C Z	4 #16 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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