

28139A Multi-Conductor - 600V Type TC-ER Cable



For more Information
please call

1-800-Belden1

**General Description:**

10 AWG multi-conductor stranded (7x18) bare copper conductors, PVC/Nylon insulation, PVC jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

# Conductors	AWG	Stranding	Conductor Material
3	10	7x18	BC - Bare Copper

Total Number of Conductors: 3

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	1.194

Overall Cable**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red
3	Blue

Overall Nominal Diameter: 11.354 mm

Mechanical Characteristics (Overall)

Wet Temperature Range: -30°C To +75°C

Dry Temperature Range: -30°C To +90°C

Bulk Cable Weight: 660.761 Kg/Km

Max. Recommended Pulling Tension: 1107.602 N

Min. Bend Radius/Minor Axis: 45.720 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

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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 Vertical Tray Flame Test
CSA Flame Test:	FT4

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)
3.412

Max. Operating Voltage - UL:

Voltage
600 V RMS

Max. Recommended Current:

Current
40 Amps per conductor @ 30°C

Notes (Overall)

Notes: Nominal Loop Inductance: .167 µH/ft

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
28139A 0101000	1,000 FT	156.000 LB	BLACK	C	3 #10 PVC/NYL PVC
28139A 01010000	10,000 FT	1,610.000 LB	BLACK	C Z	3 #10 PVC/NYL PVC
28139A 0105000	5,000 FT	880.000 LB	BLACK		3C10 PVC/NYL PVC 600V TC-ER

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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