

## 28111A Multi-Conductor - 600V Type TC-ER Cable



For more Information  
please call

1-800-Belden1

**General Description:**

12 AWG multi-conductor stranded (7x20) bare copper conductors, PVC/Nylon insulation, PVC jacket.

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

# Conductors	AWG	Stranding	Conductor Material
4	12	7x20	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	1.194

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

Number	Color
1	Black
2	Red
3	Blue
4	Orange

Overall Nominal Diameter: 10.592 mm

**Mechanical Characteristics (Overall)**

Wet Temperature Range: -30°C To +75°C

Dry Temperature Range: -30°C To +90°C

Bulk Cable Weight: 227.695 Kg/Km

Max. Recommended Pulling Tension: 596.059 N

Min. Bend Radius/Minor Axis: 43.180 mm

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification: NPLF, TC-ER, THHN/THWN Singles

## 28111A Multi-Conductor - 600V Type TC-ER Cable

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:	ICEA S-73-532, S-95-658, S-61-402

## Flame Test

UL Flame Test:	UL1685 Vertical Tray Flame Test
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)
5.41365

## Max. Operating Voltage - UL:

Voltage
600 V RMS (Type TC)
150 V RMS (Type NPLF)

## Max. Recommended Current:

Current
24 Amps per conductor @ 30°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
28111A 01010000	10,000 FT	1,480.000 LB	BLACK		4C12 PVCNYL PVC 600V TC-ER
28111A 0105000	5,000 FT	780.000 LB	BLACK		4C12 PVCNYL PVC 600V TC-ER

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determining the applicability of legislation and regulations based on their individual usage of the product.