# Detailed Specifications & Technical Data

**ENGLISH MEASUREMENT VERSION**

**28123A Multi-Conductor - 600V Type TC-ER Cable**

For more Information
please call

1-800-Belden1

## 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 |
|---|---|---|---|
| 16 | 12 | 7x20 | BC - Bare Copper |

### 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 (in.) |
|---|---|
| PVC - Polyvinyl Chloride | .060 |

### Overall Cable

**Overall Cabling Color Code Chart:**

| Number | Color |
|---|---|
| 1 | Black |
| 2 | Red |
| 3 | Blue |
| 4 | Orange |
| 5 | Yellow |
| 6 | Brown |
| 7 | Red/Black |
| 8 | Blue/Black |
| 9 | Orange/Black |
| 10 | Yellow/Black |
| 11 | Brown/Black |
| 12 | Black/Red |
| 13 | Blue/Red |
| 14 | Orange/Red |
| 15 | Yellow/Red |
| 16 | Brown/Red |

**Overall Nominal Diameter:** 0.750 in.

## Mechanical Characteristics (Overall)

**Wet Temperature Range:** -30°C To +75°C

| | |
|---|---|
| **Dry Temperature Range:** | -30°C To +90°C Dry |
| **Bulk Cable Weight:** | 490 lbs/1000 ft. |
| **Max. Recommended Pulling Tension:** | 972 lbs. |
| **Min. Bend Radius (Install)/Minor Axis:** | 7.500 in. |

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

| | |
|---|---|
| **NEC/(UL) Specification:** | NPLF, TC-ER |
| **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 |
| **CSA Flame Test:** | FT4 |
| **IEEE Flame Test:** | 1202 |

### Plenum/Non-Plenum

| | |
|---|---|
| **Plenum (Y/N):** | No |

## Electrical Characteristics (Overall)

**Nom. Conductor DC Resistance:**

| DCR @ 20°C (Ohm/1000 ft) |
|---|
| 1.65 |

**Max. Operating Voltage - UL:**

| Voltage |
|---|
| 600 V RMS |

**Max. Recommended Current:**

| Current |
|---|
| 16 Amps per conductor @ 25°C |

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---|---|---|---|---|---|

Revision Number: 0 Revision Date: 09-27-2011


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