# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



## 8403 Multi-Conductor - Three-Conductor, Low-Impedance Cable



For more Information please call

1-800-Belden1



#### **General Description:**

20 AWG stranded (19x32) high-conductivity tinned copper conductors, polyethylene insulation, rayon braid, TC braid shield (90% cerage), PVC jacket.

## **Physical Characteristics (Overall)**

### Conductor

AWG:

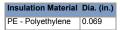
| 3   20   19x32   High Conductivity TC - Tinned Copper   .037 | # Conductors | AWG | Stranding | Conductor Material                   | Dia. (in.) |
|--|--------------|-----|-----------|--------------------------------------|------------|
|  | 3            | 20  | 19x32     | High Conductivity TC - Tinned Copper | .037       |

**Total Number of Conductors:** 

3

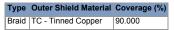
#### Insulation

Insulation Material:



#### **Outer Shield**

Outer Shield Material:



#### **Outer Jacket**

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### **Overall Cable**

Overall Cabling Color Code Chart:

| Number | Colo  |
|--------|-------|
| 1      | Clear |
| 2      | Black |
| 3      | Red   |

 Overall Cabling Separator Material:
 Rayon Braid

 Overall Nominal Diameter:
 0.244 in.

## **Mechanical Characteristics (Overall)**

| Operating Temperature Range:      | -20°C To +80°C  |
|-----------------------------------|-----------------|
| Non-UL Temperature Rating:        | 80°C            |
| Bulk Cable Weight:                | 41 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 111 lbs.        |
| Min. Bend Radius/Minor Axis:      | 2.500 in.       |

## **Applicable Specifications and Agency Compliance (Overall)**

#### **Applicable Standards & Environmental Programs**

| EU Directive 2011/65/EU (ROHS II):    | Yes        |
|---------------------------------------|------------|
| EU CE Mark:                           | Yes        |
| EU Directive 2000/53/EC (ELV):        | Yes        |
| EU Directive 2002/95/EC (RoHS):       | Yes        |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004 |
| 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        |

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| Flame Test  | Flame Test |  |  |  |  |
|---|------------|--|--|--|--|
| UL Flame Test:                                      | VW-1       |  |  |  |  |
| Plenum/Non-Plenum                                   |            |  |  |  |  |
| Plenum (Y/N):                                       | No         |  |  |  |  |
| Electrical Characteristics (Overall)                |            |  |  |  |  |
| Nom. Capacitance Conductor to Conductor:            |            |  |  |  |  |
| Capacitance (pF/ft) 25                              |            |  |  |  |  |
| Nom. Capacitance Cond. to Other Conductor & Shield: |            |  |  |  |  |
| Capacitance (pF/ft) 45                              |            |  |  |  |  |
| Nom. Conductor DC Resistance:                       |            |  |  |  |  |
| DCR @ 20°C (Ohm/1000 ft) 10.2                       |            |  |  |  |  |
| Nominal Outer Shield DC Resistance:                 |            |  |  |  |  |
| DCR @ 20°C (Ohm/1000 ft) 3.5                        |            |  |  |  |  |
| Max. Operating Voltage - UL:                        |            |  |  |  |  |
| Voltage<br>600 V RMS                                |            |  |  |  |  |
| lax. Recommended Current:                           |            |  |  |  |  |

### **Put Ups and Colors:**

3.1 Amps per conductor @ 25°C

| Item #       | Putup    | Ship Weight | Color  | Notes | Item Desc         |
|--------------|----------|-------------|--------|-------|-------------------|
| 8403 0601000 | 1,000 FT | 45.000 LB   | CHROME | С     | 3 #20 PE SHLD PVC |
| 8403 060500  | 500 FT   | 22.500 LB   | CHROME | C     | 3 #20 PE SHLD PVC |

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 10-16-2012

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