

## 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:

# Conductors	AWG	Stranding	Conductor Material	Dia. (mm)
3	20	19x32	High Conductivity TC - Tinned Copper	0.9398

Total Number of Conductors: 3

#### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PE - Polyethylene	1.753

#### Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	90.000

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Clear
2	Black
3	Red

Overall Cabling Separator Material: Rayon Braid

Overall Nominal Diameter: 6.198 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 61.016 Kg/Km

Max. Recommended Pulling Tension: 493.750 N

Min. Bend Radius/Minor Axis: 63.500 mm

### 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

UL Flame Test: VW-1

### Plenum/Non-Plenum

Plenum (Y/N): No

### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)  
82.025

#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)  
147.645

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)  
33.4662

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)  
11.4835

#### Max. Operating Voltage - UL:

Voltage  
600 V RMS

#### Max. Recommended Current:

Current  
3.1 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8403 0601000	1,000 FT	45.000 LB	CHROME	C	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.

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