

# Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

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



For more Information  
please call

1-800-Belden1



### Description:

20 AWG stranded (19x32) high-conductivity tinned copper conductors, polyethylene insulation, rayon braid, TC braid shield (89% 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

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)	Dia. (mm)
PE - Polyethylene	0.4064	1.7526

#### Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	89

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.8382

### Overall Cabling

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 (Install)/Minor Axis: 61.976 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

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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

### 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

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8403 0601000	305 MT	20.412 KG	CHROME	C	3 #20 PE SHLD PVC
8403 060500	152 MT	9.299 KG	CHROME	C	3 #20 PE SHLD PVC

Notes:

C = CRATE REEL PUT-UP.

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