# **Detailed Specifications & Technical Data**

### METRIC MEASUREMENT VERSION



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



For more Information please call

1-800-Belden1

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### **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

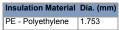
AWG:

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

**Total Number of Conductors:** 

#### Insulation

Insulation Material:



**Outer Shield** 

Outer Shield Material:



#### **Outer Jacket**

Outer Jacket Material:



#### **Overall Cable**

**Overall Cabling Color Code Chart:** 

Number	Colo
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

Page 1 of 2

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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 &	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					

## **Put Ups and Colors:**

Max. Recommended Current:

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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product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

Page 2 of 2