

## 8423 Multi-Conductor - Three-Conductor, Low-Impedance Cable



For more Information  
please call

1-800-Belden1

**General Description:**

20 AWG stranded (26x34) high-conductivity TC conductors, EPDM rubber insulation, rayon braid, TC braid shield (85% coverage), cotton wrap, EPDM jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
3	20	26x34	High Conductivity TC - Tinned Copper	.037

Total Number of Conductors: 3

**Insulation**

Insulation Material:

Insulation Material	Dia. (in.)
EPDM - Ethylene Propylene Diene Monomer Rubber	0.083

Insulation Resistance: 100 Megaohms/1000' @ 500 volts DC

**Outer Shield**

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	83

Outer Shield Separator Material: Cotton Wrap

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
EPDM - Ethylene Propylene Diene Monomer Rubber	.040

**Overall Cable**

Overall Cabling Color Code Chart:

Number	Color
1	White
2	Black
3	Red

Overall Cabling Separator Material: Rayon Braid

Overall Nominal Diameter: 0.272 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -50°C To +90°C

Non-UL Temperature Rating: 90°C

Bulk Cable Weight: 52 lbs/1000 ft.

Max. Recommended Pulling Tension: 88 lbs.

Min. Bend Radius/Minor Axis: 2.750 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

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CA Prop 65 (CJ for Wire &amp; Cable): Yes

MIL Order #39 (China RoHS): Yes

## Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

## Nom. Characteristic Impedance:

Impedance (Ohm)

52

## Nom. Inductance:

Inductance (µH/ft)

.18

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

30

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

Capacitance (pF/ft)

55

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

10.2

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

3.3

## Max. Operating Voltage - UL:

Voltage

600 V RMS

## Max. Recommended Current:

Current

4 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8423 010100	100 FT	6.100 LB	BLACK		3 #20 EPDM BRD EPDM
8423 0101000	1,000 FT	57.000 LB	BLACK	C	3 #20 EPDM BRD EPDM
8423 010500	500 FT	28.500 LB	BLACK		3 #20 EPDM BRD EPDM

## Notes:

C = CRATE REEL PUT-UP.

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