

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 & 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 & 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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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

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