

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. (mm)
3	20	26x34	High Conductivity TC - Tinned Copper	0.9398

Total Number of Conductors: 3

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
EPDM - Ethylene Propylene Diene Monomer Rubber	2.108

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 (mm)
EPDM - Ethylene Propylene Diene Monomer Rubber	1.016

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	White
2	Black
3	Red

Overall Cabling Separator Material: Rayon Braid

Overall Nominal Diameter: 6.909 mm

Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 90°C

Bulk Cable Weight: 77.386 Kg/Km

Max. Recommended Pulling Tension: 391.442 N

Min. Bend Radius/Minor Axis: 69.850 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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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

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

52

Nom. Inductance:

Inductance (µH/m)

0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

98.43

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

180.455

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

33.4662

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

10.8273

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	30 MT	2.722 KG	BLACK		3 #20 EPDM BRD EPDM
8423 0101000	305 MT	25.401 KG	BLACK	C	3 #20 EPDM BRD EPDM
8423 010500	152 MT	12.474 KG	BLACK		3 #20 EPDM BRD EPDM

Notes:

C = CRATE REEL PUT-UP.

Test Reports

a) UL

- i) UL Test Reports are available on-line through the UL Client Document Access web portal.
- ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

b) CSA

- i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.
- ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

* other test data may be available if requested at time of order.

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