Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



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

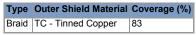
Insulation Material:

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:



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 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	
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	С	3 #20 EPDM BRD EPDM
8423 010500	152 MT	12.474 KG	BLACK		3 #20 EPDM BRD EPDM

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 09-19-2012

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Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications

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