

## 8402 Multi-Conductor - Two-Conductor, Low-Impedance Cable

For more Information  
please call

1-800-Belden1

**Description:**

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

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

AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
2	20	26x34	High Conductivity TC - Tinned Copper	.083

**Insulation**

Insulation Material:

Insulation Material	Wall Thickness (in.)	Dia. (in.)
EPDM - Ethylene Propylene Diene Monomer Rubber	.023	.083

**Inner Shield**

Inner Shield Separator Material: Cotton Wrap

**Outer Shield**

Outer Shield Material:

Layer #	Type	Outer Shield Material	Coverage (%)
1	Braid	Rayon	
2	Braid	TC - Tinned Copper	85

Outer Shield Separator Material: Cotton Wrap

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
CSPE - Chlorosulphonated Polyethylene	0.035

**Overall Cable**

Overall Cabling Color Code Chart:

Number	Color
1	White
2	Black

Overall Nominal Diameter: 0.263 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -20°C To +60°C

Non-UL Temperature Rating: 60°C

Bulk Cable Weight: 50 lbs/1000 ft.

Max. Recommended Pulling Tension: 98 lbs.

Min. Bend Radius (Install)/Minor Axis: 2.630 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

EU CE Mark: Yes

## 8402 Multi-Conductor - Two-Conductor, Low-Impedance Cable

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 &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

## Flame Test

UL Flame Test: VW-1

## 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

## Max. Operating Voltage - Non-UL:

Voltage

600 V RMS

## Max. Recommended Current:

Current

4 Amps per conductor @ 25°C

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8402 001U1000	1,000 FT	52.000 LB	BROWN		2 #20 EPDM SHLD HPN
8402 001500	500 FT	25.000 LB	BROWN	C	2 #20 EPDM BRD CSM

## Notes:

C = CRATE REEL PUT-UP.

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