

8410 Coax - Single-Conductor, High-Impedance Cable



For more Information
please call

1-800-Belden1

**Description:**

25 AWG stranded (7x33) composite copper conductor, EPDM rubber insulation, rayon braid + TC braid shield (80% coverage), cotton serve, cotton serve, EPDM rubber jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	25	3x33	High Conductivity TC - Tinned Copper	.021
		4x33	TCCS - Tinned Copper Covered Steel	

Insulation**Insulation Material:**

Insulation Material	Wall Thickness (in.)	Dia. (in.)
EPDM - Ethylene Propylene Diene Monomer Rubber	.058	.154

Outer Shield**Outer Shield Material:**

Layer #	Type	Outer Shield Material	Coverage (%)
1	Braid	Cotton	
2	Braid	TC - Tinned Copper	80

Outer Shield Separator Material: Rayon Braid

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
EPDM - Ethylene Propylene Diene Monomer Rubber	.024

Outer Jacket Separator Material: Cotton Serve

Overall Cable

Overall Nominal Diameter: 0.245 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +60°C
Non-UL Temperature Rating:	60°C
Bulk Cable Weight:	37 lbs/1000 ft.
Max. Recommended Pulling Tension:	60 lbs.
Min. Bend Radius (Install)/Minor Axis:	2.500 in.

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

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):	04/01/2005

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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. Capacitance Conductor to Shield:

Capacitance (pF/ft)

33

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

45.1

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

5.8

Max. Operating Voltage - Non-UL:

Voltage

3000 V DC

Max. Recommended Current:

Current

1.9 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
8410 010500	500 FT	19.500 LB	BLACK		#25 EPDM BRD EPDM

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