

## 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

MIL 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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