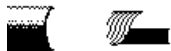


## 8413 Multi-Conductor - Two-Conductor, Low-Impedance Cable



For more Information  
please call

1-800-Belden1

### General Description:

24 AWG stranded (45x40) TC alloy conductors, EPDM rubber insulation, conductive textile wrap (100% coverage), TC braid shield (60% coverage), cotton spiral, EPDM jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
2	24	45x40	Tinned Copper Alloy	.024

Total Number of Conductors: 2

#### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
EPDM - Ethylene Propylene Diene Monomer Rubber	0.065

#### Outer Shield

Outer Shield Material:

Layer #	Type	Outer Shield Material	Coverage (%)
1	Tape	Conductive Textile	100.000
2	Braid	TC - Tinned Copper	60.000
3	Spiral Serve	Cotton	

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
EPDM - Ethylene Propylene Diene Monomer Rubber

#### Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	White
2	Black

Overall Nominal Diameter: 0.199 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +90°C

Non-UL Temperature Rating: 90°C

Bulk Cable Weight: 25 lbs/1000 ft.

Max. Recommended Pulling Tension: 48 lbs.

Min. Bend Radius/Minor Axis: 2 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

EU CE Mark: Yes

EU Directive 2002/95/EC (RoHS): No

#### Plenum/Non-Plenum

Plenum (Y/N): No

### Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
55

Nom. Inductance:

Inductance (µH/ft)
0.19

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
30

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**Nom. Capacitance Cond. to Other Conductor & Shield:**

**Capacitance (pF/ft)**

55

**Nom. Conductor DC Resistance:**

**DCR @ 20°C (Ohm/1000 ft)**

28.7

**Nominal Outer Shield DC Resistance:**

**DCR @ 20°C (Ohm/1000 ft)**

11.38

**Max. Operating Voltage - Non-UL:**

**Voltage**

300 V RMS

**Max. Recommended Current:**

**Current**

2.2 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8413 010U500	500 FT	14.000 LB	BLACK		2 #24 EPDM SHLD EPDM
8413 010100	100 FT	3.200 LB	BLACK		2#24 EPDM SHLD EPDM
8413 010500	500 FT	13.500 LB	BLACK		2 #24 EPDM SH EPDM

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