



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. (mm) |
|--------------|-----|-----------|---------------------|-----------|
| 2 | 24 | 45x40 | Tinned Copper Alloy | 0.6096 |

Total Number of Conductors: 2

Insulation

Insulation Material:

| Insulation Material | Dia. (mm) |
|--|-----------|
| EPDM - Ethylene Propylene Diene Monomer Rubber | 1.651 |

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: 5.055 mm

Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 90°C

Bulk Cable Weight: 37.205 Kg/Km

Max. Recommended Pulling Tension: 213.514 N

Min. Bend Radius/Minor Axis: 50.800 mm

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/m) |
|-------------------|
| 0.62339 |

Nom. Capacitance Conductor to Conductor:

| Capacitance (pF/m) |
|--------------------|
| 98.43 |

METRIC MEASUREMENT VERSION

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

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
180.455

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
94.1647

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
37.3378

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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