

8412 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, EPDM jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------------|-----|-----------|--------------------------------------|------------|
| 2 | 20 | 26x34 | High Conductivity TC - Tinned Copper | .037 |

Insulation

Insulation Material:

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

Outer Shield

Outer Shield Material:

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

Outer Shield Separator Material: Cotton Wrap

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|--|---------------------------|
| EPDM - Ethylene Propylene Diene Monomer Rubber | .035 |

Overall Cable

Overall Cabling Color Code Chart:

| Number | Color |
|--------|-------|
| 1 | White |
| 2 | Black |

Overall Cabling Separator Material: Rayon Braid

Overall Nominal Diameter: 0.262 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -50°C To +90°C

Non-UL Temperature Rating: 90°C

Bulk Cable Weight: 44 lbs/1000 ft.

Max. Recommended Pulling Tension: 100 lbs.

Min. Bend Radius (Install)/Minor Axis: 2.750 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

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| | |
|---------------------------------------|------------|
| 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 & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

67.000

Nom. Inductance:

Inductance (µH/ft)

.18

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

33.000

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

58.000

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

10.600

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4.500

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 |
|---------------|----------|-------------|-------------|-------|----------------------|
| 8412 0021000 | 1,000 FT | 47.000 LB | RED | C | 2 #20 EPDM BRD EPDM |
| 8412 0041000 | 1,000 FT | 47.000 LB | YELLOW | C | 2 #20 EPDM BRD EPDM |
| 8412 0061000 | 1,000 FT | 47.000 LB | BLUE, LIGHT | C | 2 #20 EPDM BRD EPDM |
| 8412 010U1000 | 1,000 FT | 46.000 LB | BLACK | | 2 #20 EPDM SHLD EPDM |
| 8412 010U500 | 500 FT | 23.500 LB | BLACK | | 2 #20 EPDM SHLD EPDM |
| 8412 010100 | 100 FT | 5.200 LB | BLACK | | 2 #20 EPDM BRD EPDM |
| 8412 0101000 | 1,000 FT | 47.000 LB | BLACK | C | 2 #20 EPDM BRD EPDM |
| 8412 010250 | 250 FT | 12.000 LB | BLACK | | 2 #20 EPDM BRD EPDM |
| 8412 010500 | 500 FT | 24.000 LB | BLACK | C | 2 #20 EPDM BRD EPDM |

Notes:

C = CRATE REEL PUT-UP.

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