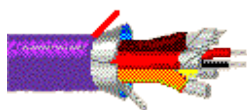


1852F Multi-Conductor - Multi-Pair Snake Cable



For more Information
please call

1-800-Belden1

**Description:**

24 AWG stranded (7x32) TC conductor, Datalene® insulation, pairs individually shielded with bonded Beldfoil® with a drain wire and have numbered and color-coded PVC jackets, overall Beldfoil® shield/drain wire + overall PVC jacket w/nylon rip cord.

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

| # Pairs | AWG | Stranding | Conductor Material | Dia. (in.) |
|---------|-----|-----------|--------------------|------------|
| 24 | 24 | 7x32 | TC - Tinned Copper | .024 |

Insulation**Insulation Material:**

| Insulation Trade Name | Insulation Material | Dia. (in.) |
|-----------------------|--|------------|
| Datalene® | FHDPE - Foam High Density Polyethylene | .068 |

Inner Shield**Inner Shield Material:**

| Inner Shield Trade Name | Type | Inner Shield Material | Coverage (%) |
|-------------------------|------|-------------------------------------|--------------|
| Beldfoil® | Tape | Bonded Aluminum Foil-Polyester Tape | 100 |

Inner Shield Drain Wire AWG:

| AWG |
|-----|
| 24 |

Inner Shield Drain Wire Stranding: Stranded

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Inner Jacket**Inner Jacket Material:**

| Inner Jacket Material | Nom. Dia. (in.) |
|--------------------------|-----------------|
| PVC - Polyvinyl Chloride | .167 |

Inner Jacket Color Code Chart:

| Number | Color |
|--------|------------------------------------|
| 1 | Brown and Numbered 1 |
| 2 | Red and Numbered 2 |
| 3 | Orange and Numbered 3 |
| 4 | Yellow and Numbered 4 |
| 5 | Green and Numbered 5 |
| 6 | Blue and Numbered 6 |
| 7 | Purple and Numbered 7 |
| 8 | Gray and Numbered 8 |
| 9 | White and Numbered 9 |
| 10 | Black and Numbered 10 |
| 11 | Tan and Numbered 11 |
| 12 | Pink and Numbered 12 |
| 13 | Gray/Brown Stripe and Numbered 13 |
| 14 | Gray/Red Stripe and Numbered 14 |
| 15 | Gray/Orange Stripe and Numbered 15 |
| 16 | Gray/Yellow Stripe and Numbered 16 |

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| | |
|----|------------------------------------|
| 17 | Gray/Green Stripe and Numbered 17 |
| 18 | Gray/Blue Stripe and Numbered 18 |
| 19 | Gray/Purple Stripe and Numbered 19 |
| 20 | Gray/Gray Stripe and Numbered 20 |
| 21 | Gray/White Stripe and Numbered 21 |
| 22 | Gray/Black Stripe and Numbered 22 |
| 23 | Gray/Tan Stripe and Numbered 23 |
| 24 | Gray/Pink Stripe and Numbered 24 |

Outer Shield

Outer Shield Material:

| Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100 |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 16 | Stranded | TC - Tinned Copper |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material |
|--------------------------|
| PVC - Polyvinyl Chloride |

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 1.205 in.

Pair

Pair Color Code Chart:

| Number | Color |
|--------|-------------|
| 1 | Red & Black |
| 2 | Red & Black |
| 3 | Red & Black |
| 4 | Red & Black |
| 5 | Red & Black |
| 6 | Red & Black |
| 7 | Red & Black |
| 8 | Red & Black |
| 9 | Red & Black |
| 10 | Red & Black |
| 11 | Red & Black |
| 12 | Red & Black |
| 13 | Red & Black |
| 14 | Red & Black |
| 15 | Red & Black |
| 16 | Red & Black |
| 17 | Red & Black |
| 18 | Red & Black |
| 19 | Red & Black |
| 20 | Red & Black |
| 21 | Red & Black |
| 22 | Red & Black |
| 23 | Red & Black |
| 24 | Red & Black |

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +60°C

UL Temperature Rating: 60°C

Bulk Cable Weight: 558 lbs/1000 ft.

Max. Recommended Pulling Tension: 400 lbs.

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| | |
|--|-----------|
| Min. Bend Radius (Install)/Minor Axis: | 9.500 in. |
|--|-----------|

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|------------|
| NEC/(UL) Specification: | CMG |
| CEC/C(UL) Specification: | CMG |
| 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): | 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 |
| Other Specification: | AES/EBU |

Flame Test

| | |
|-------------------|--------------------|
| UL Flame Test: | UL1685 FT4 Loading |
| C(UL) Flame Test: | FT4 |

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

| |
|-----------------|
| Impedance (Ohm) |
| 110 |

Nom. Inductance:

| |
|--------------------|
| Inductance (μH/ft) |
| .18 |

Nom. Capacitance Conductor to Conductor:

| |
|---------------------|
| Capacitance (pF/ft) |
| 12 |

Nom. Capacitance Cond. to Other Conductor & Shield:

| |
|---------------------|
| Capacitance (pF/ft) |
| 26 |

Nominal Velocity of Propagation:

| |
|--------|
| VP (%) |
| 76 |

Nom. Conductor DC Resistance:

| |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 23.7 |

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| .384 | .69 |
| .7056 | .93 |
| .768 | .96 |
| 1.024 | 1.07 |
| 1.4112 | 1.19 |
| 1.536 | 1.21 |
| 2.048 | 1.31 |
| 2.8224 | 1.41 |

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| | |
|---------|------|
| 3.0720 | 1.45 |
| 4.096 | 1.57 |
| 5.6448 | 1.76 |
| 6.144 | 1.83 |
| 8.192 | 2.01 |
| 11.2896 | 2.24 |
| 12.288 | 2.30 |
| 24.576 | 3.08 |

Notes (Overall)

Notes: Pair jackets and shields are bonded so both strip simultaneously with automatic stripping equipment. Datalene® insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|---------|-------|-------------------------|
| 1852F Z4B1000 | 1,000 FT | 645.000 LB | VIO Z4B | C | 24 FS PR #24 PVC FS PVC |
| 1852F Z4B500 | 500 FT | 321.000 LB | VIO Z4B | C | 14 FS PR #24 PVC FS PVC |

Notes:

C = CRATE REEL PUT-UP.

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