

8434 Multi-Conductor - Special Audio, Communication and Instrumentation Cable



For more Information
please call

1-800-Belden1



Description:

25 AWG stranded (7x33) tinned copper conductors, polyethylene insulation, overall Beldfoil® shield (100% coverage), 25 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 2 | 25 | 7x33 | TC - Tinned Copper |

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (mm) | Dia. (mm) |
|---------------------|---------------------|-----------|
| PE - Polyethylene | 0.3302 | 1.1938 |

Inner Shield

Inner Shield Material:

| Inner Shield Trade Name | Type | Inner Shield Material | Coverage (%) |
|-------------------------|------|--|--------------|
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape w/Shorting Fold | 100 |

Inner Shield Drain Wire AWG:

| AWG |
|-----|
| 25 |

Inner Shield Drain Wire Stranding: Stranded

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Shield

Outer Shield Material:

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

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.508 |

Overall Cabling

Overall Nominal Diameter: 4.191 mm

Pair

Pair Color Code Chart:

| Number | Color |
|--------|---------------------------|
| 1 | Shielded: Red & Black |
| 2 | Unshielded: Green & White |

Pair Lay Length & Direction:

| Lay Length (mm) | Twists/ft. (twist/m) |
|-----------------|----------------------|
| 38.09985 | 26.248 |

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C

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| | |
|--|--------------|
| Non-UL Temperature Rating: | 80°C |
| Bulk Cable Weight: | 20.240 Kg/Km |
| Max. Recommended Pulling Tension: | 182.376 N |
| Min. Bend Radius (Install)/Minor Axis: | 43.180 mm |

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): | 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. Inductance:

| |
|-------------------|
| Inductance (µH/m) |
| 0.6562 |

Nom. Capacitance Conductor to Conductor:

| |
|--------------------|
| Capacitance (pF/m) |
| 82.025 |

Nom. Capacitance Cond. to Other Conductor & Shield:

| |
|--------------------|
| Capacitance (pF/m) |
| 131.24 |

Nom. Conductor DC Resistance:

| |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 149.286 |

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 62.011 Ohm/km

Max. Operating Voltage - Non-UL:

| |
|-----------|
| Voltage |
| 400 V RMS |

Max. Recommended Current:

| |
|-------------------------------|
| Current |
| 1.3 Amps per conductor @ 25°C |

Notes (Overall)

Notes: Red and Black pair 100% Beldfoil® shielded with drain wire. 3 copper, 4 copper-covered steel strands in each conductor.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|--------|-------------|--------|-------|-----------------|
| 8434 060U1000 | 305 MT | 6.350 KG | CHROME | | 4 #25 PE SH PVC |
| 8434 060100 | 30 MT | 0.907 KG | CHROME | | 4 #25 PE SH PVC |

METRIC MEASUREMENT VERSION

8434 Multi-Conductor - Special Audio, Communication and Instrumentation Cable

| | | | | | |
|--------------|--------|----------|--------|---|-----------------|
| 8434 0601000 | 305 MT | 5.443 KG | CHROME | C | 4 #25 PE SH PVC |
| 8434 060500 | 152 MT | 3.175 KG | CHROME | | 4 #25 PE SH PVC |

Notes:

C = CRATE REEL PUT-UP.

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Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: ocean@oceanchips.ru

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А