

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
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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
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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

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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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