

8724 Multi-Conductor - Special Audio, Communication and Instrumentation Cable



For more Information
please call

1-800-Belden1



General Description:

22 AWG stranded (7x30) tinned copper conductors, polypropylene insulation, one pair Beldfoil® shielded (100% coverage), stranded tinned copper drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
2	22	7x30	TC - Tinned Copper	0.762

Total Number of Conductors: 4

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PP - Polypropylene	1.168

Inner Shield

Inner Shield Material:

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
1st Pair	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2nd Pair			Unshielded	

Inner Shield Drain Wire AWG:

AWG
24

Inner Shield Drain Wire Stranding: 7x32

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.4826

Overall Cable

Overall Nominal Diameter: 4.191 mm

Pair

Pair Color Code Chart:

Number	Color
1	Shielded Black & Red
2	Unshielded Green & White

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 60°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 29.764 Kg/Km

Max. Recommended Pulling Tension: 161.914 N

Min. Bend Radius/Minor Axis: 44.450 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

CEC/C(UL) Specification: CM

EU Directive 2011/65/EU (ROHS II): Yes

METRIC MEASUREMENT VERSION

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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. Characteristic Impedance:

Impedance (Ohm)

48

Nom. Inductance:

Inductance (µH/m)

0.55777

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

111.554

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

219.827

Nominal Velocity of Propagation:

VP (%)

66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

49.215

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 55.777 Ohm/km

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

2.3 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8724 060U1000	1,000 FT	21.000 LB	CHROME		2#22 FS PP,2#22 PP PVC
8724 060I000	1,000 FT	21.000 LB	CHROME	C	2#22FS PP,2#22 PP PVC
8724 0605000	5,000 FT	105.000 LB	CHROME		2#22 FS PP,2#22 PP PVC

Notes:

C = CRATE REEL PUT-UP.

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