

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

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. (in.)
2	22	7x30	TC - Tinned Copper	.030

Total Number of Conductors:

4

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
PP - Polypropylene	0.046

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 (in.)
PVC - Polyvinyl Chloride	.019

Overall Cable

Overall Nominal Diameter:

0.165 in.

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:

20 lbs/1000 ft.

Max. Recommended Pulling Tension:

36.400 lbs.

Min. Bend Radius/Minor Axis:

1.750 in.

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

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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/ft)
.17

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
34

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
67

Nominal Velocity of Propagation:

VP (%)
66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
15

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 17 Ohm/1000 ft

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 0601000	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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