

Product: [8724](#) 



Audio, Control and Instrumentation, 2 Pair 22 AWG Stranded, Shielded/Unshielded, CM

Product Description

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

Technical Specifications

Product Overview

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; computer communication; panel wiring
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
22	7x30	TC - Tinned Copper	0.03 in	2

Conductor Count:	4
Total Number of Pairs:	2

Insulation

Material	Nominal Diameter
PP - Polypropylene	0.046 in

Color Chart

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

Inner Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	1st Pair	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	24	7x32

Outer Shield Material

Material
No Shield

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.165 in	0.019 in

Electrical Characteristics

Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR
17 Ohm/1000ft	15 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
34 pF/ft	67 pF/ft

Inductance

Nominal Inductance
0.17 µH/ft

Impedance

Nominal Characteristic Impedance
48 Ohm

Delay

Nominal Velocity of Propagation (VP) [%]
66 %

Current

Max. Recommended Current [A]
2.3 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Non-UL Temp Rating:	80°C
UL Temp Rating:	60°C
Operating Temp Range:	-20°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	20 lbs/1000ft
Max Recommended Pulling Tension:	36.4 lbs
Min Bend Radius/Minor Axis:	1.75 in

Standards

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM

Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

UL voltage rating:	300 V RMS
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
8724 0601000	Chrome	Reel	1,000 ft	612825214601
8724 060U1000	Chrome	UnReel	1,000 ft	612825427438

8724 060Z1000	Chrome	ReelTuff Box	1,000 ft	612825214618
8724 0605000	Chrome	Reel	5,000 ft	612825214588

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.267 Revision Date: 04-28-2020
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