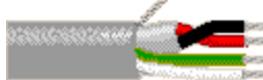


**Product: [8724](#)**



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  $\mu$ H/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.

## History

Update and Revision:

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

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