



**Product:** [8723](#)

Audio, Control & Instrument, #22-2pr, PO, Individ. Foil, PVC Jkt, CM

## Product Description

Audio, Control & Instrument Cable, 22 AWG stranded (7x30) tinned copper conductors, polypropylene insulation, twisted pairs, individually Beldfoil® shielded (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Pairs
22	7x30	TC - Tinned Copper	2

Conductor Count: 4

#### Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.009 in

#### Color Chart

Number	Color
1	Red & Black
2	Green & White

#### Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil® (Z-Fold®-foil side out)	100 %	TC - Tinned Copper	24	7x32

#### Outer Shield Material

Material
Unshielded

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.16 in	0.02 in

### Electrical Characteristics

#### Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR
15 Ohm/1000ft	14.7 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
33 pF/ft	62 pF/ft

#### Inductance

Nominal Inductance
0.17 µH/ft

## Impedance

### Nominal Characteristic Impedance

52 Ohm

## High Frequency (Nominal/Typical)

### Nom. Insertion Loss

10 dB/100m

## Delay

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

66 %

## Current

### Max. Recommended Current [A]

Per conductor @ 25°C (10C temperature rise): 2.3 A

## Voltage

### UL Voltage Rating

300 V RMS

## Temperature Range

UL Temp Rating:	60°C
Operating Temp Range:	-20°C To +75°C

## Mechanical Characteristics

Bulk Cable Weight:	17 lbs/1000ft
Max Recommended Pulling Tension:	42 lbs
Min Bend Radius/Minor Axis:	1.75 in

## Standards

NEC Articles:	800
NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
CPR Euroclass:	Eca

## Applicable Environmental and Other Programs

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
Suitability - Outdoor:	No

## Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 (UL Loading)
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	82723, 87723, 88723

## Part Number

**Variants**

Item #	Color	UPC	Length	Footnote
8723.001000	Chrome		1,000 m	
8723.0030	Chrome		30 m	
8723.00U152	Chrome		152 m	
8723.00U305	Chrome		305 m	
8723.01152	Chrome		152 m	
8723.011524	Chrome		1,524 m	
8723.013048	Chrome		3,048 m	
8723.01305	Chrome		305 m	
8723.013050	Chrome		3,050 m	
8723.01610	Chrome		610 m	
8723.02500	Chrome		500 m	
8723 060100	Chrome	612825214441	100 ft	
8723 0601000	Chrome	612825214458	1,000 ft	C
8723 06010000	Chrome	612825214465	10,000 ft	C Y
8723 06010001	Chrome	612825214472	10,000 ft	C
8723 06015000	Chrome	612825214489	15,000 ft	
8723 0601640	Chrome	612825214496	1,640 ft	
8723 0602000	Chrome	612825214502	2,000 ft	C
8723 0603280	Chrome	612825214519	3,280 ft	C
8723 060500	Chrome	612825214526	500 ft	
8723 0605000	Chrome	612825214533	5,000 ft	C
8723 0609999	Chrome	612825214540	10,000 ft	C Y
8723 060U1000	Chrome	612825214410	1,000 ft	
8723 060U2000	Chrome	612825214427	2,000 ft	
8723 060U500	Chrome	612825214434	500 ft	
8723.K1305	Chrome		305 m	
8723.00100	Chrome		100 m	

Footnote:	C - CRATE REEL PUT-UP.
Footnote:	Y - FINAL PUT-UP LENGTH MAY VAR -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

**History**

Update and Revision:	Revision Number: 0.310 Revision Date: 01-31-2020
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