



**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

### 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

Element	AWG	Stranding	Material	No. of Pairs
Pair(s)	22	7x30	TC - Tinned Copper	2

Conductor Count:	4
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#### Insulation

Element	Material	Nominal Wall Thickness
Pair(s)	PP - Polypropylene	0.009 in

#### Color Chart

Number	Color
1	Red & Black
2	Green & White

#### Inner Shield Material

Element	Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Pair(s)	Tape	Alum / Poly	Beldfoil® (Z-Fold®-foil side out)	100 %	TC - Tinned Copper	24	7x32

#### 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	Putup Type	Length	UPC/EAN
8723.0030	Chrome	Reel	30 m	8719605018571
8723.060100	Chrome	Reel	100 ft	612825214441
8723.00100	Chrome	Reel	100 m	8719605159229
8723.00U152	Chrome	UnReel	152 m	8719605018588
8723.01152	Chrome	Reel	152 m	8719605018601
8723.00U305	Chrome	UnReel	305 m	8719605018595
8723.01305	Chrome	Reel	305 m	8719605018632
8723.060500	Chrome	Reel	500 ft	612825214526
8723.060U500	Chrome	UnReel	500 ft	612825214434
8723.02500	Chrome	Reel	500 m	8719605018663
8723.01610	Chrome	Reel	610 m	8719605018656
8723.0601000	Chrome	Reel	1,000 ft	612825214458
8723.060U1000	Chrome	UnReel	1,000 ft	612825214410
8723.001000	Chrome	Reel	1,000 m	8719605018564
8723.011524	Chrome	Reel	1,524 m	8719605018618
8723.0601640	Chrome	Reel	1,640 ft	612825214496
8723.0602000	Chrome	Reel	2,000 ft	612825214502
8723.060U2000	Chrome	Reel	2,000 ft	612825214427
8723.013048	Chrome	Reel	3,048 m	8719605018625
8723.013050	Chrome	Reel	3,050 m	8719605018649
8723.0603280	Chrome	Reel	3,280 ft	612825214519
8723.0605000	Chrome	Reel	5,000 ft	612825214533
8723.06010000	Chrome	Reel	10,000 ft	612825214465
8723.06010001	Chrome	Reel	10,000 ft	612825214472
8723.0609999	Chrome	Reel	10,000 ft	612825214540
8723.06015000	Chrome	Reel	15,000 ft	612825214489

Footnote:	C - CRATE REEL PUT-UP.
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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'.
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**History**

Update and Revision:	Revision Number: 0.321 Revision Date: 05-11-2020
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