



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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Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	2	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	PP - Polypropylene	0.009 in (0.23 mm)	Black & Red, Green & White

Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type	Notes
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC	foil-out tape on each pair, one drain wire

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.020 in (0.51 mm)	0.160 in (4.06 mm)

Overall Cable Diameter (Nominal):	0.160 in (4.06 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	14.7 Ohm/1000ft (48.2 Ohm/km)	33 pF/ft (110 pF/m)	62 pF/ft (200 pF/m)	52 Ohm	66%	2.3 Amps per Conductor at 25°C (10°C Temperature Rise)

Voltage

UL Voltage Rating
300 V (CM)

Mechanical Characteristics

Temperature

UL Temperature	Operating
60°C	-20°C to +75°C

Bend Radius

Stationary Min.	Installation Min.

1.6 in (41 mm) 1.6 in (41 mm)

Max. Pull Tension:	42 lbs (19 kg)
Bulk Cable Weight:	17 lbs/1000ft (25 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL1581 Vertical Tray, UL1685 FT4 Loading, Limited Smoke, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CM
CEC / C(UL) Compliance:	CM
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	82723, 87723, 88723

History

Update and Revision:	Revision Number: 0.419 Revision Date: 12-15-2021
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Part Numbers

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

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