

Product: 8723

Audio, Control & Instrument, #22-2pr, PO, Indiv. 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

Construction Details

Conductor

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

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PP - Polypropylene	0.009 in (0.23 mm)	0.046 in (1.2 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)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
Pair(s)	18.2 Ohm/1000ft	18.38 Ohm/1000ft (60.30 Ohm/km)	33 pF/ft (110 pF/m)	62 pF/ft (200 pF/m)	52 Ohm	66%	2.8 Amps per Conductor at 25ºC

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

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL 1685 FT4 Loading, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: 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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	82723, 87723, 88723

History

Update and Revision:	Revision Number: 0.572 Revision Date: 04-19-2023

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN	Footnote
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	C
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	C
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	C
8723 0605000	Chrome	Reel	5,000 ft	612825214533	C
8723 06010000	Chrome	Reel	10,000 ft	612825214465	C Y
8723 06010001	Chrome	Reel	10,000 ft	612825214472	C
8723 0609999	Chrome	Reel	10,000 ft	612825214540	C Y
8723 06015000	Chrome	Reel	15,000 ft	612825214489	

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