



Product: [82723](#)

Audio, Control & Instrument, #22-2pr, FEP, Individ. Foil, LS-PVC Jkt, CMP

### Product Description

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

### Technical Specifications

#### Product Overview

Suitable Applications:	indoor plenum applications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; voice communications; 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	Nom. Insulation Diameter	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene	0.007 in (0.18 mm)	0.042 in (1.1 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	each pair

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.153 in (3.89 mm)

Overall Cable Diameter (Nominal):	0.153 in (3.89 mm)
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#### 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 Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	14.7 Ohm/1000ft	15 Ohm/1000ft (49 Ohm/km)	43 pF/ft (140 pF/m)	75 pF/ft (250 pF/m)	36 Ohm	62%	2.3 Amps per Conductor at 25°C

##### Voltage

<b>UL Voltage Rating</b>
300 V (CMP)

#### Mechanical Characteristics

##### Temperature

UL Temperature	Operating
90°C	-20°C to +90°C

##### Bend Radius

Stationary Min.	Installation Min.

1.5 in (38 mm)	1.5 in (38 mm)
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Max. Pull Tension:	46 lbs (21 kg)
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Bulk Cable Weight:	19 lbs/1000ft
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## Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
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Flammability / Reaction to Fire:	NFPA 262, UL 910 (Plenum), FT6, IEC 60332-1-2
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CPR Compliance:	CPR Euroclass: Eca
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NEC / UL Compliance:	Article 800, CMP
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CEC / C(UL) Compliance:	CMP
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European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
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UK Regulation Compliance:	UKCA Mark
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APAC Compliance:	China RoHS II (GB/T 26572-2011)
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Non-Plenum Number:	8723
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## History

Update and Revision:	Revision Number: 0.548 Revision Date: 01-20-2023
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## Part Numbers

### Variants

Item #	Color	UPC
82723 8771000	Natural	612825197607
82723 8775000	Natural	612825197614
82723 877U1000	Natural	612825197577
82723 877U2000	Natural	612825197584
82723 877U500	Natural	612825197591

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