



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	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)	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

UL Voltage Rating
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)

Max. Pull Tension: 46 lbs (21 kg)

Bulk Cable Weight: 19 lbs/1000ft

Standards and Compliance

Environmental Suitability: Indoor - Plenum, Indoor

Flammability / Reaction to Fire: NFPA 262, UL 910 (Plenum), FT6, IEC 60332-1-2

CPR Compliance: CPR Euroclass: Eca

NEC / UL Compliance: Article 800, CMP

CEC / C(UL) Compliance: CMP

European Directive Compliance: EU CE Mark, 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)

Non-Plenum Number: 8723

History

Update and Revision: Revision Number: 0.551 Revision Date: 02-03-2025

Part Numbers

Variants

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

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