

**Part Number: 82723**



Audio, Control & Instrument, #22-2pr, FEP, Indiv. 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), 22 AWG stranded tinned copper drain wire, Flammarrest® jacket, plenum rated.

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Pairs
22	7x30	TC - Tinned Copper	2

Conductor Count:	4
Conductor Size:	22 AWG

**Insulation**

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.007 in

**Color Chart**

Number	Color
1	Red & Black
2	Green & White

**Inner Shield Material**

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil® (Z-Fold®)	100 %	TC - Tinned Copper	24	7x32 mm

**Outer Shield Material**

Material	Drainwire AWG
Unshielded	22

**Outer Jacket Material**

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
LS PVC - Low Smoke Polyvinyl Chloride	Flammarrest®	0.153 in	0.017 in

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR	Nominal Inner Shield DCR
14.7 Ohm/1000ft	15 Ohm/1000ft

**Capacitance**

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
43 pF/ft	75 pF/ft

**Impedance**

Nominal Characteristic Impedance

36 Ohm

#### Delay

Max. Delay Skew	Nominal Velocity of Propagation (VP) [%]
62 ns/100m	62 %

#### Current

Max. Recommended Current [A]
2.3 Amps per conductor @ 25°C A

Current Table Note:	10C Temperature Rise
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#### Voltage

UL Voltage Rating
300 V RMS

#### Temperature Range

Operating Temp Range:	-20°C To +90°C
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#### Mechanical Characteristics

Bulk Cable Weight:	19 lbs/1000ft
Max Recommended Pulling Tension:	46 lbs
Min Bend Radius/Minor Axis:	1.75 in

#### Standards

NEC Articles:	800
NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
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 Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Indoor:	Yes
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#### Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262 Plenum Flame Test (UL910)
CSA Flammability:	FT6
UL voltage rating:	300 V RMS

#### Plenum/Non-Plenum

Plenum (Y/N):	Yes
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#### Part Number

Non-Plenum Number:	8723
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#### Variants

Item #	Color	Footnote
82723 8771000	Natural	C
82723 8775000	Natural	
82723 877U1000	Natural	
82723 877U2000	Natural	
82723 877U500	Natural	

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