



**Product:** [88723](#)

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

## Product Description

Audio, Control & Instrument Cable, 22 AWG stranded (7x30) tinned copper conductors, FEP insulation, twisted pairs, individually Beldfoil® shielded (100% coverage), 24 AWG stranded (7x32) tinned copper drain wire, FEP jacket.

## Technical Specifications

### Product Overview

Suitable Applications:	extreme high/low temperature environments; chemical resistant; outdoor and burial 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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### Physical Characteristics (Overall)

#### Conductor

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

Conductor Count:	4
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#### Insulation

Element	Material	Nominal Wall Thickness
Pair(s)	FEP - Fluorinated Ethylene Propylene	0.007 in

#### Color Chart

Number	Color
1	Red & Black
2	Green & White

#### Inner Shield Material

Element	Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Pair(s)	Tape	Alum / Poly	Beldfoil® (Z-Fold®)	100 %	TC - Tinned Copper	24	7x32

#### Outer Shield Material

Material
No Shield

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.148 in	0.014 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
35 pF/ft	67 pF/ft

## Impedance

### Nominal Characteristic Impedance

40 Ohm

## Delay

### Max. Delay Skew    Nominal Velocity of Propagation (VP) [%]

69 ns/100m

69 %

## Current

### Max. Recommended Current [A]

2.3 Amps per conductor @ 25°C A

## Voltage

### UL Voltage Rating

300 V RMS

## Temperature Range

Operating Temp Range: -70°C To +200°C

## Mechanical Characteristics

Bulk Cable Weight: 19 lbs/1000ft

Max Recommended Pulling Tension: 46 lbs

Min Bend Radius/Minor Axis: 1.5 in

## Standards

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

MII Order #39 (China RoHS): Yes

## Flammability, LSOH, Toxicity Testing

UL Flammability: NFPA 262 Plenum Flame Test (UL910)

CSA Flammability: FT6

ISO/IEC Flammability: IEC 60332-1-2

UL voltage rating: 300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N): Yes

## Part Number

Non-Plenum Number: 8723

## Variants

Item #	Color	UPC
88723 002100	Red	612825217169
88723 0021000	Red	612825217176
88723 002500	Red	612825217183
88723 0025000	Red	612825217190

Footnote: C - CRATE REEL PUT-UP.

## Product Notes

Notes:	Non.conduit. Gas/vapor-tight jacket.
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## History

Update and Revision:	Revision Number: 0.311 Revision Date: 05-11-2020
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