



**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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### Construction Details

#### Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	2	22	7x30	TC - Tinned Copper

#### Insulation

Element	Material	Thickness [in]	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene	0.006	Black & Red, Green & White

#### Inner Shield Material

Element	Type	Material	Coverage	Drain Type	Notes
Pair(s)	Tape	Alum / Poly	100%	24 AWG (7x32) TC	each pair

#### Outer Jacket Material

Material	Thickness	Diameter
FEP - Fluorinated Ethylene Propylene	0.014 in	0.148 in

### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	14.7 Ohm/1000ft	15 Ohm/1000ft	35 pF/ft	67 pF/ft	40 Ohm	69%	2.3 Amps per conductor @ 25°C A

#### Voltage

UL Voltage Rating
300 V (CMP)

### Mechanical Characteristics

#### Temperature

Operating
-70°C to +200°C

#### Bend Radius

Stationary Min.

1.5 in

Max. Pull Tension:	46 lbs
Bulk Cable Weight:	19 lbs/1000ft

## Standards and Compliance

Flammability / Fire Resistance:	NFPA 262 Plenum Flame Test (UL910), FT6, IEC 60332-1-2
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
CPR Euroclass:	Eca
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## Product Notes

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

Update and Revision:	Revision Number: 0.325 Revision Date: 06-05-2020
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