


**Product: [88777](#)**

Audio, Control &amp; Instrument, #22-3pr, FEP, Indiv. Foil, FEP Jkt, CMP

**Product Description**

Audio, Control & Instrument Cable, 22 AWG stranded (7x30) tinned copper conductor, FEP insulation, twisted pairs individually shielded with Beldfoil® (100% coverage), overall jacket per table below, 22 AWG stranded tinned copper drain wire.

**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	No. of Elements	Size	Stranding	Material
Pair(s)	3	22 AWG	7x30	TC - Tinned Copper

**Insulation**

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene	0.010 in (0.25 mm)	0.049 in (1.2 mm)	Black & Red, Black & White, Black & Green

**Inner Shield**

Element	Shield Type	Material	Coverage	Drainwire Type	Notes
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (19x34) TC	each pair

**Outer Jacket**

Material	Nom. Thickness	Nom. Diameter
FEP - Fluorinated Ethylene Propylene	0.015 in (0.38 mm)	0.236 in (5.99 mm)

Overall Cable Diameter (Nominal):	0.236 in (5.99 mm)
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**Electrical Characteristics**
**Electricals**

Element	Nom. Conductor DCR	Max. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Inductance	Nom. Velocity of Prop.	Max. Current
Pair(s)	18.2 Ohm/1000ft	160 Ohm/km	11.54 Ohm/1000ft (37.86 Ohm/km)	31 pF/ft (100 pF/m)	67 pF/ft (220 pF/m)	50 Ohm	0.18 $\mu$ H/ft (0.59 $\mu$ H/m)	69%	2.8 Amps per Conductor at 25°C

**Voltage**

UL Voltage Rating
300 V (CMG)

**Mechanical Characteristics**
**Temperature**

UL Temperature	Operating
150°C	-70°C to +200°C

**Bend Radius**

Stationary Min.	Installation Min.
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2.3 in (58 mm)	2.3 in (58 mm)
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Max. Pull Tension:	64.1 lbs (29.1 kg)
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Bulk Cable Weight:	37 lbs/1000ft
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## Standards and Compliance

Environmental Suitability:	Indoor, Sunlight Resistance, UV Resistance, Oil Resistance
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Sustainability:	CA Prop 65
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Flammability / Reaction to Fire:	NFPA 262 (UL910), 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, REACH, 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:	8777
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## Product Notes

Notes:	Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.
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## History

Update and Revision:	Revision Number: 0.550 Revision Date: 09-07-2025
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## Part Numbers

### Variants

Item #	Color	UPC	Footnote
88777 002100	Red	612825217428	C
88777 0021000	Red	612825217435	C
88777 002500	Red	612825217442	C
88777 0025000	Red	612825217459	

Footnote:	C - CRATE REEL PUT-UP.
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