



REPRESENTATIVE IMAGE

**Product:** [8777](#)

Audio, Control & Instrument, #22-3pr, PP, Individ. Foil, PVC Jkt, CM

## Product Description

Audio, Control & Instrument Cable, 3-Pair, 22 AWG stranded (7x30) tinned copper conductors, polypropylene insulation, individually shielded pairs (100% coverage), 22 AWG stranded tinned copper drain wire, PVC jacket.

## Technical Specifications

### Product Overview

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; computer communication; panel wiring
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### Construction Details

#### Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	3	22 AWG	7x30	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	PP - Polypropylene	0.011 in (0.28 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 (7x30) TC	each pair

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.034 in (0.86 mm)	0.273 in (6.93 mm)

Overall Cable Diameter (Nominal):	0.273 in (6.93 mm)
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	15 Ohm/1000ft (49 Ohm/km)	30 pF/ft (98 pF/m)	55 pF/ft (180 pF/m)	50 Ohm	66%	2 Amps per Conductor at 25°C

#### Voltage

UL Voltage Rating
300 V (CM), 30 V (UL AWM 2919)

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating	Storage
80°C (UL AWM 2919)	-20°C to +80°C	-40°C To +80 °C

#### Bend Radius

Stationary Min.	Installation Min.

2.7 in (69 mm) 2.7 in (69 mm)

Max. Pull Tension:	79 lbs (36 kg)
Bulk Cable Weight:	39 lbs/1000ft (58 kg/km)

## Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL1685 UL Loading, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	AWM 2919
CEC / C(UL) Compliance:	CM
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	88777, 87777, 82777

## History

Update and Revision:	Revision Number: 0.403 Revision Date: 12-15-2021
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC/EAN
8777.0030	Chrome	Reel	30 m	8719605019493
8777 060100	Chrome	Reel	100 ft	612825216087
8777.00U152	Chrome	UnReel	152 m	8719605019516
8777.01152	Chrome	Reel	152 m	8719605019530
8777 060250	Chrome	Reel	250 ft	612825216124
8777.00305	Chrome	Reel	305 m	8719605019509
8777.00U305	Chrome	UnReel	305 m	8719605019523
8777 060500	Chrome	Reel	500 ft	612825216148
8777 060U500	Chrome	UnReel	500 ft	612825216070
8777 0601000	Chrome	Reel	1,000 ft	612825216094
8777 060U1000	Chrome	UnReel	1,000 ft	612825216063
8777.001000	Chrome	Reel	1,000 m	8719605019486
8777 0601640	Chrome	Reel	1,640 ft	612825216117
8777.013048	Chrome	Reel	3,048 m	8719605019547
8777 0603280	Chrome	Reel	3,280 ft	612825216131
8777 0605000	Chrome	Reel	5,000 ft	612825216155
8777 06010000	Chrome	Reel	10,000 ft	612825216100

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