



REPRESENTATIVE IMAGE

Product: [8769](#)

Audio, Control & Instrument, #22-19pr, PP, Individ. Foil, PVC Jkt, CM

Product Description

Audio, Control & Instrument Cable, 19-Pair, 22 AWG stranded (7x30) tinned copper conductor, polypropylene insulation, individually shielded pairs with Beldfoil® (100% coverage), overall PVC jacket and 22 AWG stranded tinned copper drain wire.

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)	19	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, Black & Blue, Black & Yellow, Black & Brown, Black & Orange, Red & White, Red & Green, Red & Blue, Red & Yellow, Red & Brown, Red & Orange, Green & White, Green & Blue, Green & Yellow, Green & Brown, Green & Orange, White & Blue

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	0.064 in (1.6 mm)	0.601 in (15.3 mm)

Overall Cable Diameter (Nominal):	0.601 in (15.3 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 Impedence	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%	1 Amp per Conductor at 25°C

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
6.0 in (150 mm)	6.0 in (150 mm)

Max. Pull Tension:	443 lbs
Bulk Cable Weight:	233 lbs/1000ft (347 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:	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)

History

Update and Revision:	Revision Number: 0.327 Revision Date: 12-15-2021
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Variants

Item #	Color	Putup Type	Length	UPC
8769 060100	Chrome	Reel	100 ft	612825215530
8769 060500	Chrome	Reel	500 ft	612825215554
8769 0601000	Chrome	Reel	1,000 ft	612825215547
8769 0605000	Chrome	Reel	5,000 ft	612825215561

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