

Product: 9767

Audio, Control & Instrument, #22-37pr, PP, Indiv. Foil, PVC Jkt, CM

Product Description

Audio, Control & Instrument Cable, 37-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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	37	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	PP - Polypropylene	0.0105 in (0.267 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, White & Yellow, White & Brown, White & Orange, Blue & Yellow, Blue & Brown, Blue & Orange, Brown & Yellow, Brown & Orange, Orange & Yellow, Purple & Orange, Purple & Red, Purple & White, Purple & Green, Purple & Blue, Purple & Yellow, Purple & Brown, Purple & Black, Gray & White

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	0.069 in (1.8 mm)	0.8 in (20 mm)

Overall Cable Diameter (Nominal):	0.8 in (20 mm)

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 25ºC

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

Max. Pull Tension:	368 lbs (167 kg)
Bulk Cable Weight:	393 lbs/1000ft (585 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL1685 UL Loading
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)

History

Update and Revision:	Revision Number: 0.325 Revision Date: 05-05-2023

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
9767 060500	Chrome	Reel	500 ft	612825258308	C D
9767 0601000	Chrome	Reel	1,000 ft	612825258292	C D

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