



Product: [9406](#)

Audio, Control & Instrument, #22-2pr, SR-PVC, Individ. Foil, PVC Jkt, CMG

Product Description

Audio, Control & Instrument Cable, 22 AWG stranded (7x30) tinned copper conductors, semi-rigid PVC insulation, twisted pairs, individually shielded with Beldfoil® (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)	2	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	SR-PVC - Polyvinyl Chloride (Semi-Rigid)	0.011 in (0.28 mm)	0.051 in (1.3 mm)	Black & White, Black & Yellow

Inner Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.033 in (0.84 mm)	0.173 in

Overall Cable Diameter (Nominal):	0.173 in
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
18.2 Ohm/1000ft	12.3 Ohm/1000ft (40.4 Ohm/km)	50 pF/ft (160 pF/m)	95 pF/ft (310 pF/m)	50 Ohm	60%	4.8 Amps per Conductor at 30°C

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
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80°C	-20°C to +80°C
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Bend Radius

Stationary Min.	Installation Min.
1.73 in (43.9 mm)	1.73 in

Max. Pull Tension:	36 lbs (16 kg)
Bulk Cable Weight:	30 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL1685 FT4 Loading, FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	AWM 2464
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.346 Revision Date: 05-05-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
9406 T35100	Beige, Pale Fawn	Reel	100 ft	612825240044
9406 T35500	Beige, Pale Fawn	Reel	500 ft	612825240068
9406 T35U500	Beige, Pale Fawn	UnReel	500 ft	612825240037
9406 T351000	Beige, Pale Fawn	Reel	1,000 ft	612825240051
9406 T35U1000	Beige, Pale Fawn	UnReel	1,000 ft	612825240020

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