



Product: [9406](#) 

Audio, Control & Instrument, #22-2pr, SR-PVC, Indiv. 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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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
22	7x30	TC - Tinned Copper	2

Conductor Count:	4
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Insulation

Material	Nominal Wall Thickness
SR-PVC - Polyvinyl Chloride (Semi-Rigid)	0.011 in

Color Chart

Number	Color
1	Black & White
2	Black & Yellow

Inner Shield

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	Beldfoil® (Z-Fold®)	100%	TC - Tinned Copper	22	7x30

Outer Shield

Material
No Shield

Outer Jacket

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.033 in

Electrical Characteristics

Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR
13 Ohm/1000ft	15 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
50 pF/ft	95 pF/ft

Inductance

Nominal Inductance
0.095 µH/ft

Impedance

Nominal Characteristic Impedance
50 Ohm

Delay

Max. Delay Skew	Nominal Velocity of Propagation (VP) [%]
60 ns/100m	60%

Current

Max. Recommended Current [A]
2.3 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V RMS (UL AWM Style 2464)

Temperature Range

UL Temp Rating:	80°C (UL AWM Style 2464)
Operating Temp Range:	-20°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	30 lbs/1000ft
Max. Pull Tension:	36 lbs
Min. Bend Radius/Minor Axis:	1.75 in

Standards

NEC/(UL) Compliance:	CMG
CEC/C(UL) Compliance:	CMG
UL AWM Style Compliance:	2464 (300 V 80°C)
CPR Euroclass:	Eca

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT4
IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS (UL AWM Style 2464)

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Put-Up 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

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.333 Revision Date: 08-27-2021
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