



Product: [9685](#)

Electronic, 1 Pr #22 Str TC, PVC Ins, IS one pr, PVC Jkt, CM

Request Sample



Product Description

Electronic, 1 Pair 22AWG (7x30) Tinned Copper, PVC Insulation, Individual Beldfoil® ONE PAIR Shield, PVC Outer Jacket, CM

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)	1	22 AWG	7x30	TC - Tinned Copper
Conductor(s)	1	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.016 in (0.41 mm)	0.060 in (1.5 mm)	Shielded: Black & White
Conductor(s)	PVC - Polyvinyl Chloride	0.016 in (0.41 mm)	0.060 in (1.5 mm)	Unshielded: Brown

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	0.032 in (0.81 mm)	0.199 in

Overall Cable Diameter (Nominal):	0.199 in
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Pair(s)	18.2 Ohm/1000ft	15.9 Ohm/1000ft (52.2 Ohm/km)	60 pF/ft (200 pF/m)	99 pF/ft (320 pF/m)	6 Amps per Conductor at 30°C
Conductor(s)	17.8 Ohm/1000ft (58.4 Ohm/km)				4.48 Amps per Conductor at 30°C

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
1.99 in (50.5 mm)	1.99 in

Max. Pull Tension:	36.4 lbs (16.5 kg)
Bulk Cable Weight:	23 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL1685 UL Loading, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CM
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: 0.415 Revision Date: 05-05-2023
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Part Numbers

Variants

Item #	Color	UPC
9685 060U1000	Chrome	612825257042

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