



REPRESENTATIVE IMAGE

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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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors	No. of Pairs
22	7x30	TC - Tinned Copper		1
22	7x30	TC - Tinned Copper	1	

Conductor Count:	3
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Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.014 in
PVC - Polyvinyl Chloride	0.014 in

Color Chart

Number	Color
1	Shielded: Black & White
2	Unshielded: Brown

Inner Shield

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

Outer Shield

Material
Bi-Laminate (Alum+Poly)

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.199 in	0.032 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
17 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
60 pF/ft	99 pF/ft

Inductance

Nominal Inductance
0.1 µH/ft

Current

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

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	90°C
Operating Temp Range:	-20°C To +60°C

Mechanical Characteristics

Bulk Cable Weight:	23 lbs/1000ft
Max. Pull Tension:	27.3 lbs
Min. Bend Radius/Minor Axis:	2 in

Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CM
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, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	UPC
9685 060U1000	Chrome	612825257042

History

Update and Revision:	Revision Number: 0.399 Revision Date: 08-27-2021
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