



Product: [8730](#)

Audio, Control and Instrumentation, 1 Pr+2 C 22 AWG Stranded, Shielded



Product Description

1 Pair+ 2 Conductors 22 AWG stranded (7x30) tinned copper conductors, polypropylene insulation, one pair Beldfoil® shielded (100% coverage), 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	No. of Elements	Size	Stranding	Material
Pair(s)	1	22 AWG	7x30	TC - Tinned Copper
Conductor(s)	2	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PP - Polypropylene	0.0085 in (0.22 mm)	0.046 in (1.2 mm)	Red & Black
Conductor(s)	PP - Polypropylene	0.008 in (0.20 mm)	0.046 in (1.2 mm)	Green, White

Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC
Conductor(s)	No Shield			

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.030 in (0.76 mm)	0.205 in

Overall Cable Diameter (Nominal):	0.205 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)	17 Ohm/1000ft		34 pF/ft (110 pF/m)	67 pF/ft (220 pF/m)	2.9 Amps per Conductor at 25°C
Conductor(s)	17 Ohm/1000ft (56 Ohm/km)	15.76 Ohm/1000ft (51.71 Ohm/km)			2.9 Amps per Conductor at 25°C

Voltage

Voltage Rating
300 V

Mechanical Characteristics

Temperature

Operating
-30°C To +90°C

Bend Radius

Stationary Min.	Installation Min.
2.05 in (52.1 mm)	2.05 in

Max. Pull Tension:	41 lbs (19 kg)
Bulk Cable Weight:	23 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Sunlight Resistance
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), 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: 0.361 Revision Date: 05-31-2024
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8730 0601000	Chrome	Reel	1,000 ft	612825214748	C
8730 060U1000	Chrome	UnReel	1,000 ft	612825214823	

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