



Product: [8725](#)

Audio, Control and Instrumentation Cable, 4 Pr #20 Str TC, Ind. Shielded, PVC Jkt, CM

Product Description

Audio, Control & Instrumentation Cable, 4 Pair 20 AWG (7 x 28) Tinned Copper, PP Insulation, Individually Foil Shielded, PVC 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	No. of Elements	Size	Stranding	Material
Pair(s)	4	20 AWG	7x28	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PP - Polypropylene	0.015 in (0.38 mm)	0.068 in (1.7 mm)	Red & Black, Green & White, White/Red Stripe & White/Black Stripe, White/Green Stripe & White/Yellow Stripe

Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type	Notes
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC	Indiv foil tape w/Shorting fold and polyester tape over each pair

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.030 in (0.76 mm)	0.336 in (8.53 mm)

Overall Cable Diameter (Nominal):	0.336 in (8.53 mm)
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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)	Nom. Characteristic Impedence	Max. Current
Pair(s)	11.3 Ohm/1000ft	18.38 Ohm/1000ft (60.30 Ohm/km)	27 pF/ft (89 pF/m)	49 pF/ft (160 pF/m)	56 Ohm	3.04 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
400 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-40°C to +105°C

Bend Radius

Stationary Min.	Installation Min.
4.0 in (100 mm)	4.0 in (100 mm)

Max. Pull Tension:	109.9 lbs (49.85 kg)
Bulk Cable Weight:	69 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Flammability / Reaction to Fire:	VW-1
CPR Compliance:	CPR Euroclass: Eca
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.451 Revision Date: 12-22-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8725 060500	Chrome	Reel	500 ft	612825214663	C
8725 0601000	Chrome	Reel	1,000 ft	612825214625	C

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