Belden



Product: 8722

Audio, Control and Instrumentation Cable, 2 Pr #20 Str TC, 1 Pr Shielded, 1 Pr Unshielded, PVC Jkt, CMG

Product Description

Audio, Control & Instrumentation Cable, 2 Pair 20 AWG (7 x 28) Tinned Copper, PVC Insulation, 1 Pair (Red & Black) Beldfoil® Shield, 1 Pair (Green & White) Unshielded, PVC Jacket, CMG

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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	20 AWG	7x28	TC - Tinned Copper
Pair(s)	1	20 AWG	7x28	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.070 in (1.8 mm)	Red & Black
Pair(s)	PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.070 in (1.8 mm)	Green & White

Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC
Pair(s)		No Shield		

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.028 in (0.71 mm)	0.231 in (5.87 mm)

Overall Cable Diameter (Nominal):	0.231 in (5.87 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
Pair(s)	11.3 Ohm/1000ft	11.54 Ohm/1000ft (37.86 Ohm/km)	60 pF/ft (200 pF/m)	99 pF/ft (320 pF/m)	0.2 µH/ft (0.66 µH/m)	6.08 Amps per conductor @ 25°C
Conductor(s)	10 Ohm/1000ft (33 Ohm/km)					6.08 Amps per conductor @ 25°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.
2.3 in (58 mm)	2.3 in (58 mm)

Max. Pull Tension:	63 lbs (29 kg)
Bulk Cable Weight:	33 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Flammability / Reaction to Fire:	UL 1685 FT4 Loading, IEEE 1202, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMG
CEC / C(UL) Compliance:	CMG
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)

Product Notes

Notes:	Request Technical Bulletin T/8-21 before planning high and low level circuits in the same cable.

History

Update and Revision:	Revision Number: 0.434 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8722 060500	Chrome	Reel	500 ft	612825214373	C
8722 060U500	Chrome	UnReel	500 ft	612825214571	
8722 0601000	Chrome	Reel	1,000 ft	612825214403	C
8722 060U1000	Chrome	UnReel	1,000 ft	612825214380	

Footnote:	C - CRATE REEL PUT-UP.

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