Belden



Product: 9402

Audio, Control & Instrument, #20-2pr, SR-PVC, Indiv. Foil, PVC Jkt, CMG

Product Description

Audio, Control & Instrument Cable, 2 Pair, 20 AWG stranded (7x28) tinned copper conductors, semi-rigid PVC insulation, individually shielded pairs with Beldfoil® (100% coverage), 22 AWG stranded tinned copper drain wire, overall 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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	2	20 AWG	7x28	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	SR-PVC - Polyvinyl Chloride (Semi-Rigid)	0.011 in (0.28 mm)	0.058 in (1.5 mm)	Red & Black, Green & White

Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type	Notes
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (19x34) TC	each pair

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter
Polyester Tape	PVC - Polyvinyl Chloride	0.041 in (1.0 mm)	0.300 in (7.62 mm)

Overall Cable Diameter (Nominal):	0.300 in (7.62 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)	55 pF/ft (180 pF/m)	95 pF/ft (310 pF/m)	0.17 µH/ft (0.56 µH/m)	3.8 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
300 V (CMG), 300 V (UL AWM 2464)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.

3.0 in (76 mm)	3.0 in (76 mm)

Max. Pull Tension:	60 lbs (27 kg)
Bulk Cable Weight:	49 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL 1685 FT4 Loading, FT4
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	AWM 2464
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.549 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN	Footnote
9402.00305	Chrome	Reel	305 m	8719605020512	
9402.K0305	Chrome	Reel	305 m	8719605020529	
9402 060U500	Chrome	UnReel	500 ft	612825239987	
9402 0601000	Chrome	Reel	1,000 ft	612825239994	C
9402 0605000	Chrome	Reel	5,000 ft	612825240006	

Footnote:	C - CRATE REEL PUT-UP.

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