Belden



Product: 8205

Electronic, 2 C #20 Str TC, PVC Ins, PVC Jkt, CMG

Request Sample

Product Description

Electronic, 2 Conductor 20AWG (7x28) Tinned Copper, PVC Insulation, PVC Outer 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

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.065 in (1.7 mm)	Black & Red

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.025 in (0.64 mm)	0.180 in (4.57 mm)

Overall Cable Diameter (Nominal):	0.180 in (4.57 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Pair(s)	11.1 Ohm/1000ft	24.5 pF/ft (80.4 pF/m)	3.7 Amps per Conductor at 20ºC

Nom Outer Shield DCR:	11.3 Ohm/1000ft (37.1 Ohm/km)

Voltage

UL Voltage Rating
300 V (CMG)

Mechanical Characteristics

Temperature

UL Temperature	Operating
60°C	-20°C to +60°C

Bend Radius

Stationary Min.	Installation Min.
1.8 in (46 mm)	1.8 in (46 mm)

Max. Pull Tension:	25.2 lbs (11.4 kg)
Bulk Cable Weight:	16 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL 1685 FT4 Loading, FT4
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: 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)

History

Update and Revision:	Revision Number: 0.513 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN	Footnote
8205.0030	Chrome	Reel	30 m	8719605018076	
8205.00U152	Chrome	UnReel	152 m	8719605018083	
8205.01152	Chrome	Reel	152 m	8719605018106	
8205.00U305	Chrome	UnReel	305 m	8719605018090	
8205.01305	Chrome	Reel	305 m	8719605018113	
8205.K1305	Chrome	Reel	305 m	8719605018120	
8205 060U500	Chrome	UnReel	500 ft	612825195986	
8205 0601000	Chrome	Reel	1,000 ft	612825196006	C
8205 0605000	Chrome	Reel	5,000 ft	612825196020	

Footnote:	C - CRATE REEL PUT-UP.

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