BELDEN

Product: 8445

Electronic, 5 C #22 Str TC, PVC Ins, PVC Jkt, CMG

Request Sample

Product Description

Electronic, 5 Conductor 22AWG (7x30) Tinned Copper, PVC Insulation, PVC Outer Jacket, CMG

Technical Specifications

Product Overview

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, …); line level audio; voice communications; panel wiring

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	5	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.011 in (0.28 mm)	0.050 in (1.3 mm)	Black, White, Red, Green, Brown

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.194 in (4.93 mm)

Overall Cable Diameter (Nominal):	0.194 in (4.93 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Conductor(s)	17.8 Ohm/1000ft	34 pF/ft (110 pF/m)	2.4 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
300 V (CMG), 150 V (AWM 2576)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
1.9 in (48 mm)	1.9 in (48 mm)

Max. Pull Tension:	46 lbs (21 kg)
Bulk Cable Weight:	24 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL 1685 FT4 Loading, FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	AWM 2576
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, 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: 0.516 Revision Date: 02-03-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8445 060100	Chrome	Reel	100 ft	612825207481	
8445 060500	Chrome	Reel	500 ft	612825207504	C
8445 060U500	Chrome	UnReel	500 ft	612825207474	
8445 0601000	Chrome	Reel	1,000 ft	612825207498	C
8445 0605000	Chrome	Reel	1,000 ft	612825207511	
8445 060U1000	Chrome	UnReel	1,000 ft	612825207467	