BELDEN

Product: 8444

Electronic, 4 C #22 Str TC, PVC Ins, PVC Jkt, CMG

Request Sample

Product Description

Electronic, 4 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	Number of Element	Size	Stranding	Material
Conductor(s)	4	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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.185 in (4.70 mm)

Overall Cable Diameter (Nominal):	0.185 in (4.70 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:	36 lbs (16 kg)
Bulk Cable Weight:	19 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 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	88444, 82444

History

Update and Revision:	Revision Number: 0.482 Revision Date: 11-09-2022

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
8444 060100	Chrome	Reel	100 ft	612825207405
8444 060500	Chrome	Reel	500 ft	612825207429
8444 060U500	Chrome	UnReel	500 ft	612825207399
8444 0601000	Chrome	Reel	1,000 ft	612825207412
8444 060U1000	Chrome	UnReel	1,000 ft	612825207382
8444 0605000	Chrome	Reel	5,000 ft	612825207436