BELDEN

Product: 8621 ⧉

Electronic, 7 C #16 Str TC, PVC Ins, PVC Jkt

⚏ Request Sample

Product Description

Electronic, 7 Conductor 16AWG (19x29) Tinned Copper, PVC Insulation, PVC Outer Jacket

Technical Specifications

Product Overview

Suitable Applications:	Analog Signals & Control (up to 600V); Line Level Audio; Voice Communications; Panel Wiring

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	7	16 AWG	19x29	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.031 in (0.79 mm)	0.121 in (3.07 mm)	Black, White, Red, Green, Orange, Blue, White/Black Stripe

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.045 in (1.1 mm)	0.458 in (11.6 mm)

Overall Cable Diameter (Nominal):	0.458 in (11.6 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Conductor(s)	4.45 Ohm/1000ft	19.5 pF/ft (64.0 pF/m)	9.6 Amps per Conductor at 30ºC

Voltage

Voltage Rating
600 V

Mechanical Characteristics

Temperature

Operating
-30°C to +75°C

Bend Radius

Stationary Min.	Installation Min.
4.6 in (120 mm)	4.6 in (120 mm)

Max. Pull Tension:	280 lbs (130 kg)
Bulk Cable Weight:	132 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL 1581 (VW-1), IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
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: 0.536 Revision Date: 04-19-2023

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
8621 060100	Chrome	Reel	100 ft	612825213529
8621 060500	Chrome	Reel	500 ft	612825213543
8621 0601000	Chrome	Reel	1,000 ft	612825213536