Belden



Product: 82741

Electronic, 2 Pr #22 Str TC, FEP Ins, PVC Jkt, CMP

Request Sample

Product Description

High Temperature Electronic, 2 Pair 22AWG (7x30) Tinned Copper, FEP Insulation, PVC Outer Jacket, CMP

Technical Specifications

Product Overview

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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	2	22	7x30	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
FEP - Fluorinated Ethylene Propylene	0.0065 in (0.17 mm)	0.042 in (1.1 mm)	Black & Red, Black & White

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.014 in (0.36 mm)	0.179 in

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Characteristic Impedence	Nom. Inductance	Max. Current
17.8 Ohm/1000ft	21 pF/ft (69 pF/m)	80 Ohm	0.15 µH/ft (0.49 µH/m)	3.3 Amps per Conductor at 25ºC (10°C Temperature Rise)

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

Operating
0°C To +60°C

Bend Radius

Stationary Min.	Installation Min.
1.79 in (45.5 mm)	1.79 in

Max. Pull Tension:	18 lbs (8.2 kg)
Bulk Cable Weight:	16 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Outdoor
Flammability / Reaction to Fire:	NFPA 262, FT6

CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
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)
Non-Plenum Number:	8741

History

Update and Revision:	Revision Number: 0.395 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
82741 8771000	Natural	Reel	1,000 ft	612825197676	C

Footnote:	C - CRATE REEL PUT-UP.

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