

Product: 82761

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

Request Sample

Product Description

Electronic Cable, 2 Conductor 22AWG (7x30) Tinned Copper, FEP Insulation, Overall Beldfoil® Shield, 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)	1	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene	0.007 in (0.18 mm)	0.042 in (1.1 mm)	Black & Red

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.014 in (0.36 mm)	0.118 in (3.00 mm)

Overall Cable Diameter (Nominal):	0.118 in (3.00 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Max. Current
Pair(s)	15 Ohm/1000ft	35 pF/ft (110 pF/m)	67 pF/ft (220 pF/m)	42 Ohm	2.8 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	-20°C to +75°C

Bend Radius

Stationary Min.	Installation Min.
1.18 in (30.0 mm)	1.18 in (30.0 mm)

Max. Pull Tension:	27 lbs (12 kg)

Bulk Cable Weight:	11 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262, UL 910 (Plenum), 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:	8761

History

Update and Revision:	Revision Number: 0.549 Revision Date: 02-15-2024

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
82761 877U500	Natural	UnReel	500 ft	612825197775	
82761 8771000	Natural	Reel	1,000 ft	612825197782	C
82761 877U1000	Natural	UnReel	1,000 ft	612825197768	
82761 8775000	Natural	Reel	5,000 ft	612825197799	

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