



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

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Pairs
Pair(s)	22	7x30	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1

Insulation

Element	Material	Nominal Wall Thickness
Pair(s)	FEP - Fluorinated Ethylene Propylene	0.0065 in

Color Chart

Number	Color
1	Black
	Red

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil® with shorting fold	100 %	TC - Tinned Copper	22	Stranded

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
PVC-LS - Polyvinyl Chloride (Low Smoke)	Flamarrest®	0.116 in	0.014 in

Construction and Dimensions

Stranding

Lay Direction	Twists
Left Hand	8 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
15 Ohm/1000ft	12 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
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35 pF/ft	67 pF/ft
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Inductance

Nominal Inductance
0.16 µH/ft

Impedance

Nominal Characteristic Impedance
42 Ohm

Current

Element	Max. Recommended Current [A]
10C Temperature Rise	2.8 Amps per conductor @ 25°C ambient

Voltage

UL Description	UL Voltage Rating
CMP	300 V

Temperature Range

Operating Temp Range:	-20°C to +75°C
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Mechanical Characteristics

Bulk Cable Weight:	11 lbs/1000ft
Max Recommended Pulling Tension:	27 lbs
Min Bend Radius/Minor Axis:	1.25 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
CPR Euroclass:	Eca

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262
CSA Flammability:	FT6
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Non-Plenum Number:	8761
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Variants

Item #	Color	Putup Type	Length	UPC
82761 877U500	Natural	UnReel	500 ft	612825197775

82761 8771000	Natural	Reel	1,000 ft	612825197782
82761 877U1000	Natural	UnReel	1,000 ft	612825197768
82761 8775000	Natural	Reel	5,000 ft	612825197799

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.325 Revision Date: 05-19-2020
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