



Part Number: 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

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
22	7x30	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1
Conductor Size:	22 AWG

Insulation

Material	Nominal Wall Thickness
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	Aluminum/Polyester	Beldfoil® with shorting fold	100 %	TC - Tinned Copper	22	Stranded mm

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.118 in	0.015 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
35 pF/ft	67 pF/ft

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 Voltage Rating**

300 V RMS

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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LSOH, Toxicity Testing

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

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Non-Plenum Number:	8761
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Variants

Item #	Color	UPC	Length	Footnote
82761 8771000	Natural	612825197782	1,000 ft	C
82761 8775000	Natural	612825197799	5,000 ft	
82761 877U1000	Natural	612825197768	1,000 ft	

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