



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
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
22	7x30	TC - Tinned Copper	2

Conductor Count:	4
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Insulation

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.0065 in

Color Chart

Number	Color
1	Black & Red
2	Black & White

Outer Shield Material

Material
No Shield

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
PVC-LS - Polyvinyl Chloride (Low Smoke)	Flamarrest®	0.179 in	0.014 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor Loop DCR
16 Ohm/1000ft	32 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
21 pF/ft

Inductance

Nominal Inductance
0.15 µH/ft

Impedance

Nominal Characteristic Impedance
80 Ohm

Current

Max. Recommended Current [A]
3.3 Amps per conductor @ 25°C (10°C rise in temp)

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Operating Temp Range:	0°C To +60°C
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Mechanical Characteristics

Bulk Cable Weight:	16 lbs/1000ft
Max Recommended Pulling Tension:	18 lbs
Min Bend Radius/Minor Axis:	2 in

Standards

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

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

Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262
CSA Flammability:	FT6
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Non-Plenum Number:	8741
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Variants

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

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.298 Revision Date: 04-28-2020
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