



Part Number: 88442

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

 [Request Sample](#)

Product Description

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

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors	No. of Pairs
22	7x30	TC - Tinned Copper	2	1

Conductor Count:	2
Total Number of Pairs:	1

Insulation

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.0065 in

Color Chart

Number	Color
1	Black & Red

Outer Shield Material

Material
Unshielded

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.102 in	0.009 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor Loop DCR
15 Ohm/1000ft	30 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
17 pF/ft

Inductance

Nominal Inductance
0.15 μ H/ft

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:	-70°C To +200°C
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Mechanical Characteristics

Bulk Cable Weight:	8 lbs/1000ft
Max Recommended Pulling Tension:	15 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 - Burial:	Yes
Suitability - Outdoor:	Yes

Flammability, LS0H, 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:	8442
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Variants

Item #	Color	UPC	Length	Footnote
88442 002100	Red	612825216988	100 ft	
88442 0021000	Red	612825216995	1,000 ft	C
88442 002500	Red	612825217008	500 ft	C

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.281 Revision Date: 08-22-2019
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