



Product: [88444](#)

Electronic, 4 C #22 Str TC, FEP Ins, FEP Jkt, CMP

Request Sample

Product Description

High Temperature Electronic, 4 Conductor 22AWG (7x30) Tinned Copper, FEP Insulation, FEP Outer Jacket, CMP

Technical Specifications

Product Overview

Suitable Applications:	extreme high/low temperature environments; chemical resistant; outdoor and burial applications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...); line level audio; voice communications; panel wiring
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Physical Characteristics (Overall)

Conductor				
Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	22	7x30	TC - Tinned Copper	4
Conductor Count:		4		

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

Color Chart	
Number	Color
1	Black
2	White
3	Red
4	Green

Outer Jacket Material		
Material	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.121 in	0.010 in

Electrical Characteristics

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

Capacitance	
Nom. Capacitance Conductor to Conductor	
18 pF/ft	

Inductance	
Nominal Inductance	
0.15 µH/ft	

Current	
Max. Recommended Current [A]	

3.3 Amps per conductor @ 25°C (10°C rise in temp)

Voltage

UL Description	UL Voltage Rating
CMP	300 V

Temperature Range

UL Temp Rating:	150°C
Operating Temp Range:	-70°C to +200°C

Mechanical Characteristics

Bulk Cable Weight:	14 lbs/1000ft
Max Recommended Pulling Tension:	36 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 - Burial:	Yes
Suitability - Oil Resistance:	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

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Non-Plenum Number:	8444
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Variants

Item #	Color	Putup Type	Length	UPC
88444 002100	Red	Reel	100 ft	612825217015
88444 002500	Red	Reel	500 ft	612825217039
88444 0021000	Red	Reel	1,000 ft	612825217022

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision:	Revision Number: 0.291 Revision Date: 05-27-2020
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