



**Product:** [82743](#)

Electronic, 6 Pr #22 Str TC, FEP Ins, PVC Jkt, CMP

[Request Sample](#)

**Product Description**

High Temperature Electronic, 6 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	6

Conductor Count:	12
Total Number of Pairs:	6

**Insulation**

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.0065 in

**Color Chart**

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow
6	Black & Brown

**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®	0.238 in	0.0145 in

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR
16 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 +75°C

## Mechanical Characteristics

Bulk Cable Weight: 42 lbs/1000ft

Max Recommended Pulling Tension: 109 lbs

Min Bend Radius/Minor Axis: 2.5 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): 2005-10-01

MII Order #39 (China RoHS): Yes

## Flammability, LSOH, Toxicity Testing

C(UL) Flammability: FT6

UL Flammability: NFPA 262

CSA Flammability: FT6

UL voltage rating: 300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N): Yes

## Part Number

Non-Plenum Number: 8743

## Variants

Item #	Color	Putup Type	Length	UPC
82743 8771000	Natural	Reel	1,000 ft	612825197690

Footnote: C - CRATE REEL PUT-UP.

## History

Update and Revision: Revision Number: 0.295 Revision Date: 04-28-2020

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