


**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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**Construction Details**
**Conductor**

Size	Stranding	Material
22	7x30	TC - Tinned Copper

**Insulation**

Material	Nom. Thickness	Color Code
FEP - Fluorinated Ethylene Propylene	0.0065 in (0.17 mm)	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown

**Outer Shield**

Material
No Shield

**Outer Jacket**

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.0145 in (0.368 mm)	0.238 in

**Electrical Characteristics**
**Electricals**

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Characteristic Impedance	Nom. Inductance	Max. Current
16 Ohm/1000ft (52 Ohm/km)	21 pF/ft (69 pF/m)	80 Ohm	0.15 $\mu$ H/ft (0.49 $\mu$ H/m)	3.3 Amps per Conductor at 25°C (10°C Temperature Rise)

**Voltage**

UL Voltage Rating
300 V RMS

**Mechanical Characteristics**
**Temperature**

Operating
0°C To +75°C

  

Max. Pull Tension:	109 lbs (49.4 kg)
Bulk Cable Weight:	42 lbs/1000ft (63 kg/km)

**Standards and Compliance**

Flammability / Reaction to Fire:	NFPA 262, FT6
NEC / UL Compliance:	Article 800, CMP

CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	8743

## History

Update and Revision: Revision Number: 0.386 Revision Date: 09-07-2025

## Part Numbers

### Variants

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

Footnote: C - CRATE REEL PUT-UP.

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