



**Part Number:** 82743

Audio/Control/Instrumentation, (6 pr) 22 AWG (7x30)  
TC, FEP/LS PVC, CMP

## Product Description

Six 22 AWG pairs stranded (7x30) tinned copper conductors, plenum, twisted pairs, Teflon® (FEP) insulation, Flamarrest® jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Pairs
22	7x30	TC - Tinned Copper	6
<b>Total Number of Conductors:</b>			12

#### Insulation:

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.007 in

#### Color Chart 1:

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

#### Outershield 1:

Material
Unshielded

#### Outerjacket 1:

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.238 in	0.015 in

## Electrical Characteristics

#### Conductor DCR:

Nominal Conductor DCR
16 Ohm/1000ft

#### Capacitance:

Nom. Capacitance Conductor to Conductor
21 pF/ft

#### Impedance:

Nominal Characteristic Impedance
80 Ohm

#### Current:

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

#### Inductance:

Nominal Inductance
0.15 µH/ft

#### Voltage:

UL Voltage Rating
300 V RMS

## Use

Max Recommended Pulling Tension:	109 lbs
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## Safety

C(UL) Flammability:	FT6
UL Flammability:	NFPA 262

## Temperature Range

Operating Temp Range:	0°C To +75°C
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## Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.5 in
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## Part Number

Plenum (Y/N):	Yes
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## Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

## History

## Product Variants

Part Number	Color	Put-Up Type	Length
82743 8771000	NATURAL	Reel	1000 ft

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