

Part Number: 82778



Audio, Control & Instrument, #22-6pr, FEP, Indiv. Foil, LS-PVC Jkt, CMP

# **Product Description**

Audio, Control & Instrument Cable, 22 AWG stranded (7x30) tinned copper conductor, FEP insulation, twisted pairs individually shielded with Beldfoil® (100% coverage), overall jacket per table below, 22 AWG stranded tinned copper drain wire.

### **Technical Specifications**

# **Physical Characteristics (Overall)**

Condu	Conductor				
AWG	Stranding	Material	Nominal Diameter	No. of Pairs	
22	7x30	TC - Tinned Copper	0.03 in	6	
Condu	Conductor Count:				
Condu	Conductor Size:				

### Insulation

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.011 in

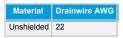
### **Color Chart**

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

## Inner Shield Material

Туре	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Таре	Aluminum Foil-Polyester Tape	Beldfoil® (Z-Fold®)	100 %	TC - Tinned Copper	22	Stranded mm

### Outer Shield Material



### **Outer Jacket Material**

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.314 in	0.017 in

# **Electrical Characteristics**

### Conductor DCR

Individual Pair Nominal Shield DCR	Max. Conductor DCR
11.3 Ohm/1000ft	16 Ohm/100m

### Capacitance

Nom. Capacitance Condu	ctor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield	
35 pF/ft		76 pF/ft	
Shielding:		Individually Foiled + No Overall	

#### Inductance

Nominal Inductance

# Impedance

Nominal Characteristic Impedance
46 Ohm

### Delay

Max. Delay Skew	Nominal Velocity of Propagation (VP) [%]
62 ns/100m	62 %

### Current

Max. Recommended Current [A]

1.96 Amps per conductor @ 25°C A

### Voltage

UL Voltage Rating 300 V RMS

# **Temperature Range**

Operating Temp Range:	0°C To +60°C

### **Mechanical Characteristics**

Bulk Cable Weight:	67 lbs/1000ft
Min Bend Radius/Minor Axis:	3.25 in

### **Standards**

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 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

# Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262 Plenum Flame Test (UL910)
CSA Flammability:	FT6

# Plenum/Non-Plenum

Plenum (Y/N):	Yes	

### **Part Number**

Non-Plenum Number:	8778	

### Variants

Item #	Color	Footnote
82778 8771000	Natural	С
Footnote:		

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