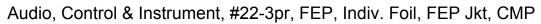


Part Number: 88777





# **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 Conductors	No. of Pairs
22	7x30	TC - Tinned Copper	0.03 in	6	3
Condu	ctor Count:				6
Conductor Size:			22 AWG		

#### Insulation

Material	Material Trade Name	Nominal Wall Thickness	
FEP - Fluorinated Ethylene Propylene	Teflon®	0.01 in	

### **Color Chart**

Number	Color
1	Black & Red
2	Black & White
3	Black & Green

#### Inner Shield Material

Type	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	16x34 mm

# Outer Shield Material



### Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	Teflon®	0.234 in	0.014 in

### **Electrical Characteristics**

### Conductor DCR

Individual Pair Nominal Shield DCR	Max. Conductor DCR
11.3 Ohm/1000ft	160 Ohm/km

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor	to Shield
31 pF/ft	67 pF/ft	
Shielding:	Individually Foi	iled + No

### Inductance

Nominal Inductance

0.18 µH/ft

### Impedance

Nominal Characteristic Impedance
50 Ohm

### Delay

Max. Delay Skew	Nominal Velocity of Propagation (VP) [%]
69 ns/100m	69 %

### 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:	-70°C To +200°C
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### **Mechanical Characteristics**

Bulk Cable Weight:	37 lbs/1000ft
Max Recommended Pulling Tension:	82 lbs
Min Bend Radius/Minor Axis:	2.5 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 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
CSA Flammability:	FT6
UL voltage rating:	300 V RMS

# Plenum/Non-Plenum

Plenum (Y/N):	Yes	

# **Part Number**

Non-Plenum Number:	8777

C - CRATE REEL PUT-UP.

### Variants

Item #	Color	Footnote
88777 002100	Red	С
88777 0021000	Red	С
88777 002500	Red	С
88777 0025000	Red	
Footnote:		

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