

**Part Number: 88777**

Audio, Control & Instrument, #22-3pr, FEP, Individ. Foil, FEP 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)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors	No. of Pairs
22	7x30	TC - Tinned Copper	0.03 in	6	3

Conductor 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
Tape	Aluminum Foil-Polyester Tape	Beldfoil® (Z-Fold®)	100 %	TC - Tinned Copper	22	16x34 mm

#### Outer Shield Material

Material
Unshielded

#### 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 Foiled + No Overall
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#### Inductance

Nominal Inductance
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0.18  $\mu$ H/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

### 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, LSOH, 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

#### Variants

Item #	Color	Footnote
88777 002100	Red	C
88777 0021000	Red	C
88777 002500	Red	C
88777 0025000	Red	

Footnote:

C - CRATE REEL PUT-UP.

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