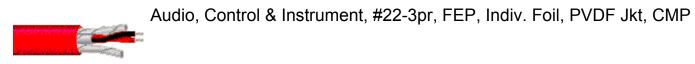


Part Number: 87777



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	3	
Conductor Count:					
Condu	Conductor Size:				

Insulation

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.01 in

Color Chart

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

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

Material	Drainwire AW	
Line a la Califa da sel	00	

Unshielded	22

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVDF - Polyvinylidene Fluoride	0.234 in	0.014 in

Electrical Characteristics

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

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

Inductance

Nominal Inductance

0.18 µH/ft

Impedance

Nominal Characteristic Impedance
50 Ohm

Delay

Max. Delay Skew	Nominal Delay	Nominal Velocity of Propagation (VP) [%]
69 ns/100m	1.47 ns/ft	69 %

Current

Max. Recommended Current [A]

3.5 Amps per conductor @ 25°C A

Voltage

UL Voltage Rating 300V RMS

Temperature Range

Operating Temp Range:	-20°C To +150°C
Mechanical Characteristics	
Bulk Cable Weight:	36 lbs/1000ft
Max Recommended Pulling Tension:	82 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

NEC/(UL) Specification:	СМР
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:

8777

Variants

	ltem #	Color	Footnote
87	777 0021000	RED	С
87	777 002500	RED	С
Fo	ootnote:		

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