



Description:

22 AWG stranded (7x30) tinned copper conductors, PVC insulation, twisted pair, tinned copper spiral wrapped shield (85% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1	22	7x30	TC - Tinned Copper	.030

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
PVC - Polyvinyl Chloride	.060

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Spiral Serve	TC - Tinned Copper	85

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cabling

Overall Nominal Diameter: 0.180 in.

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

Pair Lay Length & Direction:

Lay Length (in.)	Twists/ft. (twist/ft)
1.440	8.330

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2095)
Bulk Cable Weight:	18.700 lbs/1000 ft.
Max. Recommended Pulling Tension:	20 lbs.
Min. Bend Radius (Install)/Minor Axis:	1.700 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG

8737 Multi-Conductor - Single-Pair Cable

AWM Specification:	UL Style 2095 (300 V 80°C)
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flame Test

CSA Flame Test:	FT4
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

49

Nom. Inductance:

Inductance (µH/ft)

0.17

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

40

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

70

Nominal Velocity of Propagation:

VP (%)

66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

16

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

11.7

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

3 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8737 060U1000	1,000 FT	20.000 LB	CHROME		1 PR#22 PVC SHLD PVC
8737 060U500	500 FT	10.500 LB	CHROME		2 #22 PVC SHLD PVC
8737 0601000	1,000 FT	20.000 LB	CHROME	C	1 PR#22 PVC SHLD PVC
8737 060500	500 FT	10.000 LB	CHROME		1 PR#22 PVC SHLD PVC

Notes:

C = CRATE REEL PUT-UP.


Overall Spiral Shield

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m


Overall Spiral • 22 AWG Stranded (7x30) Tinned Copper Conductors • Twisted Pair • Tinned Copper Spiral Wrapped Shield (85% Coverage)

PVC Insulation • Chrome PVC Jacket

 UL AWM Style 2095 (300V 80°C)	8737	NEC:	1	Black, Red	U-500	U-152.4	10.5	4.8	.015	.38	.025	.64	.180	4.57	40	131	70	230			
		CMG:			500	152.4	10.0	4.5													
		CEC:			U-1000	U-304.8	20.0	9.1													
		CMG FT4			1000	304.8	20.0	9.1													


Overall Spiral • 20 AWG Stranded (7x28) Tinned Copper Conductors • Twisted Pair • Tinned Copper Spiral Wrapped Shield (89% Coverage)

PVC Insulation • Chrome PVC Jacket

 UL AWM Style 2095 (300V 80°C)	8759	NEC:	1	Black, Red	U-500	U-152.4	12.5	5.7	.016	.41	.025	.64	.199	5.05	47	154	79	259			
		CMG:			U-1000	U-304.8	24.0	10.9													
		CEC:			1000	304.8	25.0	11.4													
		CMG FT4																			


Overall Spiral • 18 AWG Stranded (7x26) Tinned Copper Conductors • Twisted Pair • Tinned Copper Spiral Wrapped Shield (85% Coverage)

PVC Insulation • Chrome PVC Jacket

 300V RMS 60°C	8790	NEC:	1	Red, White	U-500	U-152.4	17.5	7.9	.022	.56	.028	.71	.241	6.12	53	174	92	302			
		CMG:			500	152.4	17.0	7.7													
		CEC:			U-1000	U-304.8	33.0	15.0													
		CMG FT4			1000	304.8	35.0	15.9													

Overall Spiral • 16 AWG Stranded (19x29) Tinned Copper Conductors • Twisted Pair • Tinned Copper Spiral Wrapped Shield (85% Coverage)

PVC Insulation • Chrome PVC Jacket

 300V RMS 60°C	8780	NEC:	1	Black, White	500	152.4	23.5	10.7	.023	.58	.030	.76	.280	7.11	57	187	98	322			
		CMG:			U-1000	U-304.8	44.0	20.0													
		CEC:			1000	304.8	46.0	20.9													
		CMG FT4																			

* Capacitance between conductors.

** Capacitance between one conductor and other conductors connected to shield.