

8744 Multi-Conductor - Audio, Control and Instrumentation Cable



Description:

22 AWG solid tinned copper conductors, PVC insulation, twisted pairs, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
9	22	Solid	TC - Tinned Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.010

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.035

Overall Cabling

Overall Nominal Diameter: 0.350 in.

Pair

Pair Color Code Chart:

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

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2576)
Bulk Cable Weight:	71.300 lbs/1000 ft.
Max. Recommended Pulling Tension:	140 lbs.
Min. Bend Radius (Install)/Minor Axis:	3.500 in.

8744 Multi-Conductor - Audio, Control and Instrumentation Cable

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG, MPG
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2576 (150 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

UL Flame Test:	UL1685 FT4 Loading
C(UL) Flame Test:	FT4

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

30

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

16.5

Max. Operating Voltage - UL:

Voltage

300 V RMS

150 V RMS (UL AWM Style 2576)

Max. Recommended Current:

Current

1.40 Amps per conductor @ 20°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8744 0601000	1,000 FT	79.000 LB	CHROME	C	9 PR #22 PVC FRPVC

Notes:

C = CRATE REEL PUT-UP.


Unshielded

Telephone Cables

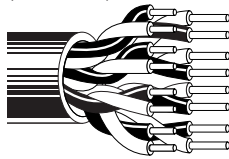
Audio, Control and Instrumentation Cables

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	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm

24 AWG Solid Tinned Copper Conductors • Twisted Pairs

PVC Insulation • Chrome PVC Jacket															
	UL AWM Style 2576 (150V 80°C)	9562	NEC:	2	See Chart 4 (Tech Info Section)	U-500	U-152.4	10.5	4.8	.010	.25	.032	.81	.199	5.05
			CMG			500	152.4	9.0	4.1						
			CEC:			U-1000	U-304.8	20.0	9.1						
			CMG FT4			1000	304.8	18.0	8.2						
	9566	NEC:	6	See Chart 4 (Tech Info Section)	U-500	U-152.4	21.5	9.8	.010	.25	.032	.81	.289	7.34	
		CMG			500	152.4	23.5	10.7							
		CEC:			U-1000	U-304.8	42.0	19.1							
		CMG FT4			1000	304.8	45.0	20.5							
	9570	NEC:	10	See Chart 4 (Tech Info Section)	500	152.4	31.5	14.3	.010	.25	.035	.89	.310	7.87	
		CMG			1000	304.8	63.0	28.6							
		CEC:													
		CMG FT4													
9585	NEC:	25	See Chart 4 (Tech Info Section)	500	152.4	74.0	33.6	.010	.25	.040	1.02	.480	12.19		
	CMG			1000	304.8	144.0	65.5								
	CEC:														
	CMG FT4														

22 AWG Solid Tinned Copper Conductors • Twisted Pairs

PVC Insulation • Chrome PVC Jacket															
	UL AWM Style 2576 (150V 80°C)	8740	NEC:	1	See Chart 3 (Tech Info Section)	U-500	U-152.4	7.5	3.4	.010	.25	.032	.81	.156	3.96
			CMG			U-1000	U-304.8	14.0	6.4						
			CEC:												
			CMG FT4												
	8741	NEC:	2	See Chart 3 (Tech Info Section)	U-500	U-152.4	13.5	6.1	.010	.25	.032	.81	.230	5.84	
		MPG, CMG			U-1000	U-304.8	25.0	11.3							
		CEC:			1000	304.8	27.0	12.2							
		CMG FT4													
	8742	NEC:	3	See Chart 3 (Tech Info Section)	500	152.4	17.0	7.7	.010	.25	.032	.81	.242	6.15	
		MPG, CMG			U-1000	U-304.8	31.0	14.1							
		CEC:			1000	304.8	33.0	15.0							
		CMG FT4													
8757	NEC:	4	See Chart 3 (Tech Info Section)	500	152.4	20.0	9.1	.010	.25	.032	.81	.264	6.71		
	MPG, CMG			U-1000	U-304.8	38.0	17.2								
	CEC:			1000	304.8	40.0	18.2								
	CMG FT4														
8743	NEC:	6	See Chart 3 (Tech Info Section)	U-500	U-152.4	26.5	12.0	.010	.25	.032	.81	.293	7.44		
	MPG, CMG			U-1000	U-304.8	51.0	23.1								
	CEC:			1000	304.8	53.0	24.1								
	CMG FT4														
9160	NEC:	8	See Chart 3 (Tech Info Section)	500	152.4	35.5	16.1	.010	.25	.035	.89	.323	8.20		
	MPG, CMG			1000	304.8	71.0	32.3								
	CEC:														
	CMG FT4														
8744	NEC:	9	See Chart 3 (Tech Info Section)	1000	304.8	79.0	35.9	.010	.25	.035	.89	.350	8.89		
	MPG, CMG														
	CEC:														
	CMG FT4														