

8741 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
2	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	.032

Overall Cabling

Overall Nominal Diameter: 0.230 in.

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2576)
Bulk Cable Weight:	24 lbs/1000 ft.
Max. Recommended Pulling Tension:	30 lbs.
Min. Bend Radius (Install)/Minor Axis:	2.500 in.

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

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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
Plenum Number:	88741 or 82741 (Stranded conductors)

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
2.24 Amps per conductor @ 20°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8741 060U1000	1,000 FT	25.000 LB	CHROME		2 #22 TW PR FRPVC
8741 060U500	500 FT	13.500 LB	CHROME		2 #22 TW PR FRPVC
8741 0601000	1,000 FT	27.000 LB	CHROME	C	2 #22 TW PR FRPVC

Notes:

C = CRATE REEL PUT-UP.


Unshielded

Telephone Cables

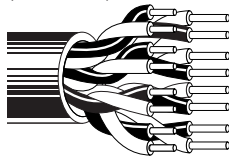
Audio, Control and Instrumentation Cables

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

22 AWG Solid Tinned Copper Conductors • Twisted Pairs

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