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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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Manhattan™ Electrical Cable



Manhattan™ Electrical Cable

Signal transmission made reliable



Alpha Wire's Manhattan brand has been a trusted and reliable source of cable for over 60 years. Whether you need something as simple as a power cord or a cable that can maintain audio-video signal integrity in a noisy environment, you'll find the breadth and depth of products to ensure an optimum solution to your application.

- Audio/video
- Computer
- Thermocouple
- Control
- Plenum
- Coaxial
- Cords/cordage
- High temperature
- Security and data
- Instrumentation

Audio/video cable

Choose the correct number of conductors, gauge, insulation, shielding, jacket material, UL/CSA/NEC approvals, and any other parameters to find the right cable for your application.

Computer cable

We offer the widest range of shielded and unshielded configurations to satisfy applications including traditional RS-232 and

RS-422 interfaces, point-of-sale equipment, and modems and multiplexers. For extended distances, we offer cables with very low capacitance.

Instrumentation cable

Maintain the integrity of analog and digital signals with our broad product portfolio of single and multiple pair shielded and unshielded products.

Control cable

We offer UL style TC in a variety of conductor counts, gauges, and shielding options, all with durable PVC/nylon insulation and PVC jackets. We also offer MIL-DTL-16878 cables with 600 V and 1000 V ratings.

Plenum cable

We offer a full range of cables for control, computer interconnections, security, alarms, and building energy management systems in a variety of plenum-rated insulations and jackets.

Coaxial cable

For a complete range of 50, 75, 93, and 100 ohm coaxial, twinaxial, and triaxial cables, we offer a wide range of insulations and jackets meeting the requirements of military specifications and regulatory agencies such as UL and CSA.

Cords/cordsets

All our cords are UL Listed and CSA Certified; we also offer a wide range of CENELEC-approved products for international use. Options include two- and three-conductor cords, shielded or unshielded, stripped and terminated cable ends, straight or retractile cords, and all common plug and receptacle configurations.

High-temperature cable

Alpha Wire's Manhattan brand of high-temperature cables are available for temperatures ranging from 150°C to 540°C. We make it easy for you select the right cable to meet the demanding high-temperature requirements for control and power applications.

Security and data

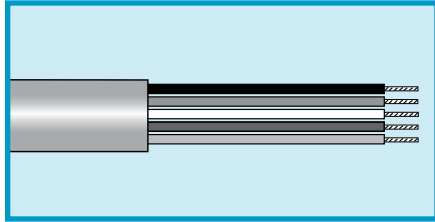
Count on Alpha Wire for a complete product family of security and data cables, optimized for security video, data, and monitoring applications.

Thermocouple cable

You can find the perfect Manhattan brand thermocouple cable based on conductor combinations JX, KX, EX, and SX, as well as insulations suited for applications up to 200°C, for quality and accurate temperature measurement.

Manhattan™ Audio/Video Cable

300 V Unshielded, Multiconductor, SR-PVC/PVC, PVC



**UL AWM 2464, 2509, 2576,
UL CM, CMG
CSA CM, CMG FT4**

Applications

- Unbalanced intercom and sound systems
- Remote circuit control
- Low-voltage circuits

Operating Temperature

- -20°C to +80°C (AWM)
- -20°C to +75°C (CM, CMG)

Conductor Color Coding

- See tables

Materials

- Stranded tinned copper conductors
- PVC or semirigid PVC insulation
- Slate PVC jacket

Availability

100 ft (30.5 m)
500 ft (152 m)
1000 ft (305 m)
Bulk, cut to length
(Minimums may apply)

UL AWM 2509, UL CMG, PVC Insulation

22 AWG (0.35 mm²)

Stranding: 7/30 (7 x 0.25 mm)
Insulation thickness: 0.016 (0.41 mm)
Color Code J

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M13302	2	0.174	4.42	0.025	0.64

UL AWM 2576, UL CM, PVC Insulation (150 V)

22 AWG (0.35 mm²)

Stranding: 7/30 (7 x 0.25 mm)
Insulation thickness: 0.010 (0.25 mm)

Part No.	Conductors	Nominal Diameter		Jacket Thickness		Color Code
		Inch	mm	Inch	mm	
M13303	3	0.172	4.37	0.032	0.81	Black, Green, Red
M13304	4	0.185	4.70	0.032	0.81	O
M13305	5	0.200	5.08	0.032	0.81	O
M13306	6	0.215	5.46	0.032	0.81	O
M13307	7	0.215	5.46	0.032	0.81	O
M13308	8	0.230	5.84	0.032	0.81	O
M13309	9	0.246	6.25	0.032	0.81	O
M13310	10	0.264	6.71	0.032	0.81	O
M13312	12	0.272	6.91	0.032	0.81	O
M13315	15	0.310	7.87	0.040	1.02	F
M13320	20	0.342	8.69	0.040	1.02	F
M13325	25	0.380	9.65	0.040	1.02	F
M13330	30	0.401	10.19	0.040	1.02	F
M13340	40	0.445	11.30	0.040	1.02	F
M13350	50	0.498	12.65	0.045	1.14	F

UL AWM 2464, UL CM, PVC Insulation

20 AWG (0.56 mm²)

Stranding: 7/28 (7 x 0.32 mm)
Insulation thickness: 0.013 (0.33 mm)

Part No.	Conductors	Nominal Diameter		Jacket Thickness		Color Code
		Inch	mm	Inch	mm	
M13404	4	0.219	5.56	0.032	0.81	O
M13405	5	0.238	6.05	0.032	0.81	O
M13407	7	0.257	6.53	0.032	0.81	O
M13409	9	0.303	7.70	0.035	0.89	O
M13412	12	0.336	8.53	0.035	0.89	O
M13415	15	0.374	9.50	0.040	1.02	F

UL AWM 2509, UL CMG, PVC Insulation

20 AWG (0.56 mm²)

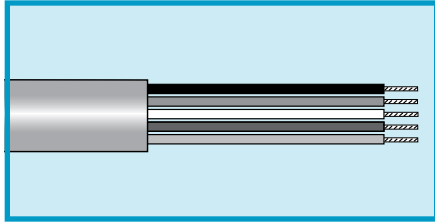
Stranding: 7/28 (7 x 0.32 mm)
Insulation thickness: 0.016 (0.41 mm)
Color Code J

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M13402	2	0.180	4.57	0.020	0.51



Manhattan™ Audio/Video Cable

300 V Unshielded, Multiconductor, SR-PVC, PVC



**UL AWM 2463, 2464, 2509,
2576, 2598**
UL CM, CMG
UL CL2, CL3
CSA CM, CMG FT4

Applications

- Unbalanced intercom and sound systems
- Remote circuit control
- Low-voltage circuits

Operating Temperature

- -20°C to +80°C (AWM)
- -20°C to +75°C (CM, CMG, CL2, CL3)

Conductor Color Coding

- See tables

Materials

- Stranded tinned copper conductors
- PVC or semirigid PVC insulation
- Slate PVC jacket

Availability

100 ft (30.5 m)
500 ft (152 m)
1000 ft (305 m)
Bulk, cut to length
(Minimums may apply)

UL AWM 2509, UL CMG, PVC Insulation

18 AWG (0.81 mm²)

Stranding: 16/30 (16 x 0.25 mm)
Insulation thickness: 0.016 (0.41 mm)
Color Code J

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M13502	2	0.198	5.03	0.020	0.51

UL AWM 2598, UL CM, PVC Insulation

18 AWG (0.96 mm²)

Stranding: 19/30 (19 x 0.25 mm)
Insulation thickness: 0.018 (0.46 mm)

Part No.	Conductors	Nominal Diameter		Jacket Thickness		Color Code
		Inch	mm	Inch	mm	
M13503	3	0.249	6.32	0.032	0.81	O
M13504	4	0.272	6.91	0.032	0.81	O
M13505	5	0.297	7.54	0.032	0.81	O
M13507	7	0.333	8.46	0.037	0.94	O
M13509	9	0.387	9.83	0.037	0.94	O
M13512	12	0.437	11.10	0.040	1.02	F
M13515	15	0.485	12.32	0.045	1.14	F
M13519	19	0.520	13.21	0.045	1.14	F
M13525	25	0.636	16.15	0.060	1.52	F

UL AWM 2576, UL CM, PVC Insulation

16 AWG (1.32 mm²)

Stranding: 19/0.0117 (19 x 0.30 mm)
Color Code F

Part No.	Conductors	Nominal Diameter		Jacket Thickness		Insulation Thickness	
		Inch	mm	Inch	mm	Inch	mm
M13572	2	0.274	6.96	0.032	0.81	0.023	0.58
M13574	4	0.378	9.60	0.045	1.14	0.030	0.76

UL AWM 2463, UL CL2 or CL3, PVC Insulation

14 AWG (2.08 mm²)

Stranding: 19/0.0147 (19 x 0.37 mm)
Insulation thickness: 0.032 (0.81 mm)
Color Code F

Part No.	Conductors	Nominal Diameter		Jacket Thickness		Approval
		Inch	mm	Inch	mm	
M13582	2	0.346	8.79	0.035	0.89	CL2
M13584	4	0.404	10.26	0.035	0.89	CL3

UL AWM 2463, UL CL3, PVC Insulation

12 AWG (3.29 mm²)

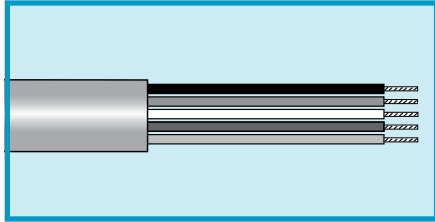
Stranding: 19/0.0185 (19 x 0.47 mm)
Insulation thickness: 0.032 (0.81 mm)
Color Code F

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M13590	2	0.394	10.00	0.040	1.02



Manhattan™ Audio/Video Cable

300 V Unshielded, Multiconductor, PVC, PVC



UL AWM 2463 (600 V) VW-1

Applications

- Unbalanced intercom and sound systems
- Remote circuit control
- Low-voltage circuits

Operating Temperature

- -20°C to +80°C

Conductor Color Coding

- Chart F (page 532)

Materials

- Stranded tinned copper conductors
- PVC insulation
- Slate PVC jacket

Availability

100 ft (30.5 m)

500 ft (152 m)

1000 ft (305 m)

Bulk, cut to length

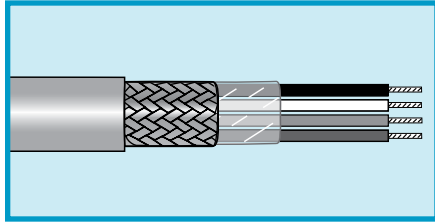
(Minimums may apply)

16 AWG (1.32 mm ²)					
Stranding: 19/0.0117 (19 x 0.30 mm)					
Insulation thickness: 0.032 (0.81 mm)					
Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M3704	4	0.392	9.96	0.047	1.19
M3705	5	0.428	10.87	0.047	1.19
M3707	7	0.465	11.81	0.047	1.19
M3709	9	0.574	14.58	0.063	1.60
M3712	12	0.637	16.17	0.063	1.60
M3715	15	0.691	17.55	0.063	1.60
M3719	19	0.742	18.85	0.063	1.60
M3725	25	0.904	22.96	0.083	2.11



Manhattan™ Audio/Video Cable

300 V Braid Shield, Multiconductor, PE, PVC



UL AWM 2092, 2093, 2094
UL CM

Applications

- Sensing, recording, monitoring devices, and telemetry

Operating Temperature

- -20°C to +75°C (CM)
- -20°C to +60°C (AWM)

Conductor Color Coding

- Chart H (page 533)

Materials

- Stranded tinned copper conductors
- Polyethylene insulation
- Tinned copper braid shield, 90% coverage
- Slate PVC jacket

Availability

100 ft (30.5 m)
500 ft (152 m)
1000 ft (305 m)
Bulk, cut to length
(Minimums may apply)

24 AWG (0.20 mm²)

Stranding: 10/34 (10 x 0.16 mm)
Insulation thickness: 0.016 (0.41 mm)

Part No.	Conductors	Nominal Diameter		Jacket Thickness		UL AWM
		Inch	mm	Inch	mm	
M1102	2	0.177	4.50	0.020	0.51	2092
M1103	3	0.186	4.72	0.020	0.51	2093
M1104	4	0.200	5.08	0.020	0.51	2094
M1105	5	0.217	5.51	0.020	0.51	2094
M1106	6	0.234	5.94	0.020	0.51	2094

22 AWG (0.38 mm²)

Stranding: 19/34 (19 x 0.16 mm)
Insulation thickness: 0.016 (0.41 mm)

Part No.	Conductors	Nominal Diameter		Jacket Thickness		UL AWM
		Inch	mm	Inch	mm	
M1112	2	0.193	4.90	0.020	0.51	2092
M1113	3	0.203	5.16	0.020	0.51	2093
M1114	4	0.220	5.59	0.020	0.51	2094
M1115	5	0.239	6.07	0.020	0.51	2094
M1116	6	0.258	6.55	0.020	0.51	2094
M1118	8	0.278	7.06	0.020	0.51	2094

20 AWG (0.52 mm²)

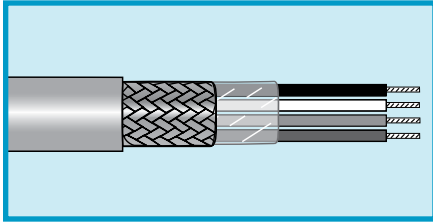
Stranding: 26/34 (26 x 0.16 mm)
Insulation thickness: 0.016 (0.41 mm)

Part No.	Conductors	Nominal Diameter		Jacket Thickness		UL AWM
		Inch	mm	Inch	mm	
M1122	2	0.229	5.82	0.032	0.81	2092
M1123	3	0.246	6.25	0.035	0.89	2093
M1124	4	0.264	6.71	0.035	0.89	2094
M1125	5	0.285	7.24	0.035	0.89	2094
M1126	6	0.306	7.77	0.035	0.89	2094
M1128	8	0.328	8.33	0.035	0.89	2094
M1130	10	0.375	9.53	0.035	0.89	2094
M1132	12	0.386	9.80	0.035	0.89	2094
M1135	15	0.417	10.59	0.035	0.89	2094
M1140	20	0.464	11.79	0.035	0.89	2094



Manhattan™ Audio/Video Cable

300 V Braid Shield, Multiconductor, PE, PVC



**UL AWM 2092, 2093, 2094
UL CM**

Applications

- Sensing, recording, monitoring devices, and telemetry

Operating Temperature

- -20°C to +75°C (CM)
- -20°C to +60°C (AWM)

Conductor Color Coding

- Chart H (page 533)

Materials

- Stranded tinned copper conductors
- Polyethylene insulation
- Tinned copper braid shield, 90% coverage
- Slate PVC jacket

Availability

100 ft (30.5 m)
500 ft (152 m)
1000 ft (305 m)
Bulk, cut to length
(Minimums may apply)

18 AWG (0.82 mm²)

Stranding: 41/34 (41 x 0.16 mm)
Insulation thickness: 0.016 (0.41 mm)

Part No.	Conductors	Nominal Diameter		Jacket Thickness		UL AWM
		Inch	mm	Inch	mm	
M1142	2	0.253	6.43	0.035	0.89	2092
M1143	3	0.265	6.73	0.035	0.89	2093
M1144	4	0.286	7.26	0.035	0.89	2094
M1146	6	0.333	8.46	0.035	0.89	2094

16 AWG (1.31 mm²)

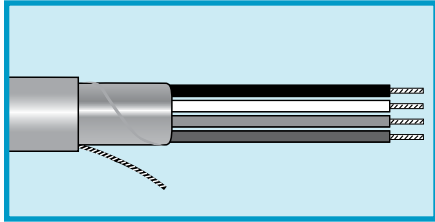
Stranding: 65/34 (65 x 0.16 mm)
Insulation thickness: 0.016 (0.41 mm)

Part No.	Conductors	Nominal Diameter		Jacket Thickness		UL AWM
		Inch	mm	Inch	mm	
M1162	2	0.277	7.04	0.035	0.89	2092
M1163	3	0.291	7.39	0.035	0.89	2093
M1164	4	0.308	7.82	0.035	0.89	2094



Manhattan™ Audio/Video Cable

300 V Foil Shield, Overall, Multiconductor, PP, HDPE
Direct Burial



**UL AWM 2092, 2093, 2094
UL CM**

Applications

- Direct burial audio and data transmission

Operating Temperature

- -20°C to +80°C

Conductor Color Coding

- See table

Materials

- Solid tinned copper conductors
- Polypropylene insulation
- Aluminum/polyester foil shield, 25% overlap min.
Foil facing inward
- 22 AWG (0.32 mm²) solid tinned copper drain wire
- Black high-density polyethylene jacket

Features

- Direct Burial

Availability

100 ft (30.5 m)

500 ft (152 m)

1000 ft (305 m)

Bulk

(Minimums may apply)

20 AWG (0.51 mm²)

Stranding: : 10/30 (10 x 0.25 mm)
Insulation thickness: 0.013 (0.33 mm)

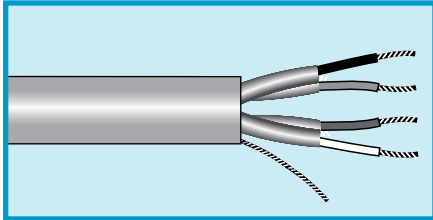
Part No.	Conductors	Nominal Diameter		Jacket Thickness		Color Code
		Inch	mm	Inch	mm	
M39047	2	0.193	4.90	0.035	0.89	O
M39048	3	0.202	5.13	0.035	0.89	O
M39049	10	0.319	8.10	0.040	1.02	O
M39050	15	0.363	9.22	0.045	1.14	F

Mutual capacitance: 22.2 pF/ft (72.8 pF/m)
Ground capacitance: 40 pF/ft (131.2 pF/m)
Except Part No. M39047:
Mutual capacitance: 24.5 pF/ft (80.3 pF/m)
Ground capacitance: 44 pF/ft (144.3 pF/m)



Manhattan™ Audio/Video Cable

350 V Individually Foil Shielded Pairs, Multipair, PP, HDPE
Direct Burial



20 AWG (0.51 mm²)

Stranding: 10/30 (10 x 0.25)
Insulation thickness: 0.013 (0.33 mm)

Part No.	Pairs	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M39051	3	0.336	8.53	0.040	1.02
M39052	6	0.446	11.33	0.045	1.14

Mutual capacitance: 24.5 pF/ft (80.3 pF/m)
Ground capacitance: 44 pF/ft (144.3 pF/m)

UL AWM 2092, 2093, 2094
UL CM

Applications

- Direct burial audio and data transmission

Operating Temperature

- -20°C to +80°C

Conductor Color Coding

- Chart K (page 529)

Materials

- Stranded tinned copper conductors
- Polypropylene insulation
- Aluminum/polyester foil shield, 25% overlap min.
Foil facing inward
- 22 AWG (0.35 mm²) stranded tinned copper drain wire
- Black high-density polyethylene jacket

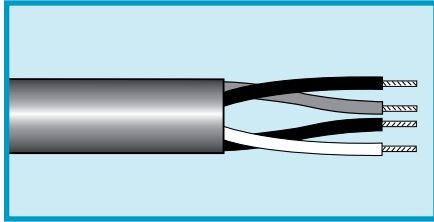
Availability

100 ft (30.5 m)
500 ft (152 m)
1000 ft (305 m)
Bulk, cut to length
(Minimums may apply)



Manhattan™ Audio/Video Cable

300 V Unshielded, Multipair, PVC, PVC



UL AWM 2464, 2576 (150 V)
UL CMG
CSA CMG FT4 (150 V)

Applications

- Speakers and sound systems

Operating Temperature

- -20°C to +80°C (AWM)
- -20°C to +75°C (CMG)

Conductor Color Coding

- Chart K (page 529)

Materials

- Solid or stranded tinned copper conductors
- PVC insulation
- Slate PVC jacket

Availability

100 ft (30.5 m)
 500 ft (152 m)
 1000 ft (305 m)
 Bulk, cut to length
 (Minimums may apply)

AWM 2576, CMG

22 AWG (0.32 mm²)

Stranding: Solid
 Insulation thickness: 0.010 (0.25 mm)

Part No.	Pairs	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M13001	1	0.157	3.98	0.032	0.81
M13002	2	0.215	5.46	0.032	0.81
M13003	3	0.226	5.74	0.032	0.81
M13004	4	0.246	6.24	0.032	0.81
M13005	5	0.267	6.78	0.032	0.81
M13006	6	0.289	7.34	0.032	0.81
M13008	8	0.318	8.07	0.035	0.89
M13009	9	0.342	8.68	0.035	0.89
M13013	13	0.392	9.95	0.037	0.94
M13019	19	0.452	11.48	0.040	1.02
M13027	27	0.547	13.89	0.045	1.14

AWM 2576, CMG

22 AWG (0.35 mm²)

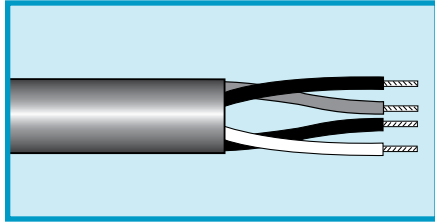
Stranding: 7/30 (7 x 0.25 mm)
 Insulation thickness: 0.010 (0.25 mm)

Part No.	Pairs	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M13032	2	0.231	5.86	0.032	0.81
M13033	3	0.244	6.19	0.032	0.81
M13034	4	0.265	6.73	0.032	0.81
M13036	6	0.320	8.13	0.035	0.89
M13039	9	0.375	9.52	0.037	0.94
M13042	12	0.424	10.76	0.040	1.02
M13045	15	0.460	11.68	0.040	1.02
M13049	19	0.493	12.52	0.040	1.02
M13057	27	0.598	15.18	0.045	1.14



Manhattan™ Audio/Video Cable

300 V Unshielded, Multipair, PVC, PVC



UL AWM 2464, 2576 (150 V)
UL CMG
CSA CMG FT4 (150 V)

Applications

- Speakers and sound systems

Operating Temperature

- -20°C to +80°C (AWM)
- -20°C to +75°C (CMG)

Conductor Color Coding

- Chart K (page 529)

Materials

- Solid or stranded tinned copper conductors
- PVC insulation
- Slate PVC jacket

Availability

100 ft (30.5 m)
 500 ft (152 m)
 1000 ft (305 m)
 Bulk, cut to length
 (Minimums may apply)

AWM 2464, CMG

20 AWG (0.56 mm²)

Stranding: 7/28 (7 x 0.32 mm)
 Insulation thickness: 0.016 (0.41 mm)

Part No.	Pairs	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M13063	3	0.224	5.68	0.035	0.89
M13066	6	0.284	7.21	0.035	0.89
M13069	9	0.328	8.33	0.035	0.89
M13072	15	0.405	10.28	0.040	1.02

AWM 2464, CMG

18 AWG (0.81 mm²)

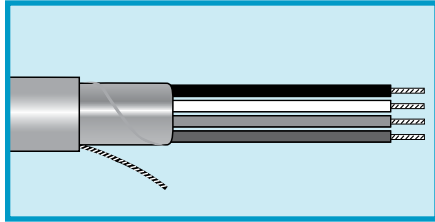
Stranding: 16/30 (16 x 0.25 mm)
 Insulation thickness: 0.016 (0.41 mm)

Part No.	Pairs	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M13081	1	0.225	5.72	0.032	0.81
M13082	2	0.326	8.28	0.032	0.81
M13083	3	0.346	8.79	0.032	0.81
M13084	4	0.380	9.65	0.032	0.81
M13085	5	0.418	10.62	0.032	0.81
M13086	6	0.458	11.63	0.032	0.81
M13088	8	0.508	12.90	0.037	0.94
M13089	9	0.554	14.07	0.040	1.02
M13092	12	0.633	16.08	0.046	1.17
M13095	15	0.700	17.78	0.051	1.30
M13099	19	0.761	19.33	0.055	1.40



Manhattan™ Audio/Video Cable

300 V Foil Shield, Overall, Multiconductor, PE, PVC



UL AWM 2092, 2093, 2094
UL CMG
CSA CMG
CSA FT4

Applications

- Audio and sound systems requiring small-diameter cable with 100% shield coverage

Operating Temperature

- -20°C to +75°C (CMG)
- -20°C to +60°C (AWM)

Conductor Color Coding

- AWM 2092: 1 Black, 2 Red (except Part No. M3222: Black, Natural)
- AWM 2093: 1 Black, 2 Red, 3 Natural
- AWM 2094: 1 Black, 2 Red, 3 Natural, 4 Green

Materials

- Stranded tinned copper conductors
- Polyethylene insulation
- Aluminum/polyester foil shield, 25% overlap min. Foil facing inward
- Stranded tinned copper drain wire (see tables for size)
- Slate PVC jacket

Availability

100 ft (30.5 m)
 500 ft (152 m)
 1000 ft (305 m)
 Bulk, cut to length
 (Minimums may apply)



24 AWG (0.22 mm²)

Stranding: 7/32 (7 x 0.20 mm)
 Insulation thickness: 0.016 (0.41 mm)
 24 AWG (0.22 mm²) drain wire

Part No.	Conductors	Nominal Diameter		Jacket Thickness		UL AWM
		Inch	mm	Inch	mm	
M3222	2	0.159	4.04	0.020	0.51	2092
M3223	3	0.168	4.27	0.020	0.51	2093
M3224	4	0.182	4.62	0.020	0.51	2094

22 AWG (0.35 mm²)

Stranding: 7/30 (7 x 0.25 mm)
 Insulation thickness: 0.016 (0.41 mm)
 22 AWG (0.35 mm²) drain wire

Part No.	Conductors	Nominal Diameter		Jacket Thickness		UL AWM
		Inch	mm	Inch	mm	
M3226	2	0.171	4.34	0.020	0.51	2092
M3227	3	0.181	4.60	0.020	0.51	2093
M3228	4	0.197	5.00	0.020	0.51	2094

20 AWG (0.56 mm²)

Stranding: 7/28 (7 x 0.32 mm)
 Insulation thickness: 0.016 (0.41 mm)
 20 AWG (0.56 mm²) drain wire

Part No.	Conductors	Nominal Diameter		Jacket Thickness		UL AWM
		Inch	mm	Inch	mm	
M3232	2	0.187	4.75	0.020	0.51	2092
M3233	3	0.198	5.03	0.020	0.51	2093
M3234	4	0.216	5.49	0.020	0.51	2094

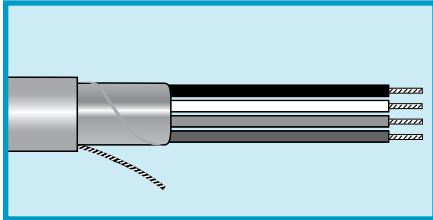
18 AWG (0.81 mm²)

Stranding: 16/30 (16 x 0.25 mm)
 Insulation thickness: 0.016 (0.41 mm)
 20 AWG (0.56 mm²) drain wire

Part No.	Conductors	Nominal Diameter		Jacket Thickness		UL AWM
		Inch	mm	Inch	mm	
M3242	2	0.205	5.21	0.020	0.51	2092
M3243	3	0.217	5.51	0.020	0.51	2093
M3244	4	0.238	6.05	0.020	0.51	2094

Manhattan™ Audio/Video Cable

300 V Foil Shield, Overall, Multiconductor, PE, PVC



UL AWM 2092, 2093, 2094
UL CMG
UL CL2 (150 V)
CSA CMG
CSA FT4

Applications

- Audio and sound systems requiring small-diameter cable with 100% shield coverage

Operating Temperature

- -20°C to +75°C (CMG)
- -20°C to +60°C (AWM)

Conductor Color Coding

- AWM 2092 and CL2: 1 Black, 2 Red
- AWM 2093: 1 Black, 2 Red, 3 Natural

Materials

- Stranded tinned copper conductors
- Polyethylene insulation
- Aluminum/polyester foil shield, 25% overlap min.
Foil facing inward
- Stranded tinned copper drain wire (see tables for size)
- Slate PVC jacket

Availability

100 ft (30.5 m)
 500 ft (152 m)
 1000 ft (305 m)
 Bulk, cut to length
 (Minimums may apply)

16 AWG (1.32 mm²)

Stranding: 19/0.0117 (19 x 0.30 mm)
 Insulation thickness: 0.016 (0.41 mm)
 18 AWG (0.81 mm²) drain wire

Part No.	Conductors	Nominal Diameter		Jacket Thickness		UL AWM
		Inch	mm	Inch	mm	
M3247	2	0.229	5.82	0.020	0.51	2092
M3248	3	0.243	6.17	0.020	0.51	2093

14 AWG (2.08 mm²)

Stranding: 41/30 (41 x 0.25 mm)
 Insulation thickness: 0.020 (0.51 mm)
 16 AWG (1.32 mm²) drain wire

Part No.	Conductors	Nominal Diameter		Jacket Thickness		UL Style
		Inch	mm	Inch	mm	
M3249	2	0.288	7.32	0.030	0.76	CL2

12 AWG (3.29 mm²)

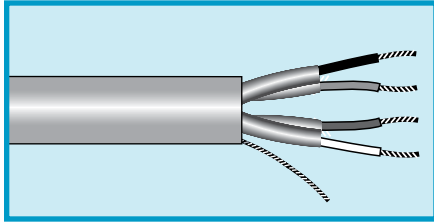
Stranding: 65/30 (65 x 0.25 mm)
 Insulation thickness: 0.020 (0.51 mm)
 14 AWG (2.08 mm²) drain wire

Part No.	Conductors	Nominal Diameter		Jacket Thickness		UL Style
		Inch	mm	Inch	mm	
M3250	2	0.326	8.28	0.030	0.76	CL2



Manhattan™ Audio/Video Cable

300 V Individually Foil Shielded Pairs, Multipair, PP/PE/SR-PVC, PVC



**UL AWM 2464, 2493, 2919
(30 V)**

**UL CM
CSA CM**

Applications

- Audio and sound systems

Operating Temperature

- -20°C to +80°C (AWM 2464)
- -20°C to +75°C (CM)
- -20°C to +60°C (AWM 2919, 2493)

Conductor Color Coding

- AWM 2919: Chart K (page 529)
- AWM 2493: Chart A (page 528)
- AWM 2464 and CM: Black/Red, Green/White

Materials

- Solid or stranded tinned copper conductors
- Aluminum/polyester foil shield, 25% overlap min.
Foil facing inward
Stranded tinned copper drain wire equal in size to conductor (unless noted)
- Polyethylene, polypropylene, or semirigid PVC insulation (see tables)
- Slate PVC jacket

Availability

100 ft (30.5 m)
500 ft (152 m)
1000 ft (305 m)
Bulk, cut to length
(Minimums may apply)



AWM 2493, UL CM, Polypropylene Insulation

22 AWG (0.32 mm²)

Stranding: Solid
Insulation thickness: 0.010 (0.25 mm)

Part No.	Pairs	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M39039	6	0.362	9.19	0.050	1.27
M39040	9	0.415	10.54	0.050	1.27
M39041	11	0.459	11.66	0.050	1.27
M39042	15	0.507	12.88	0.050	1.27

UL CM, Polypropylene Insulation

22 AWG (0.35 mm²)

Stranding: 7/30 (7 x 0.25 mm)
Insulation thickness: 0.008 (0.20 mm)

Part No.	Pairs	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M4473	2	0.150	3.81	0.19	0.48

AWM 2919, UL CM, Polypropylene Insulation

22 AWG (0.35 mm²)

Stranding: 7/30 (7 x 0.25 mm)
Insulation thickness: 0.010 (0.25 mm)

Part No.	Pairs	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M13103	3	0.271	6.88	0.032	0.81
M13106	6	0.349	8.86	0.032	0.81
M13109	9	0.412	10.46	0.032	0.81
M13111	11	0.466	11.84	0.035	0.89
M13112	12	0.466	11.84	0.035	0.89
M13115	15	0.537	13.64	0.050	1.27
M13117	17	0.577	14.66	0.050	1.27
M13119	19	0.577	14.66	0.050	1.27
M13127	27	0.685	17.40	0.050	1.27
M13130	37	0.766	19.46	0.050	1.27

AWM 2464, UL CM, SR-PVC Insulation

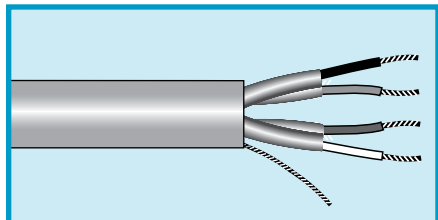
20 AWG (0.56 mm²)

Stranding: 7/28 (7 x 0.32 mm)
Insulation thickness: 0.010 (0.25 mm)

Part No.	Pairs	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M13142	2	0.284	7.21	0.032	0.81

Manhattan™ Audio/Video Cable

300 V Individually Foil Shielded Pairs, Multipair, PP/PE/SR-PVC, PVC



**UL AWM 2464, 2493, 2919
(30 V)
UL CM
CSA CM**

Applications

- Audio and sound systems

Operating Temperature

- -20°C to +80°C (AWM 2464)
- -20°C to +75°C (CM)
- -20°C to +60°C (AWM 2919, 2493)

Conductor Color Coding

- AWM 2919: Chart K (page 529)
- AWM 2493: Chart A (page 528)
- AWM 2464 and CM: Black/Red, Green/White

Materials

- Solid or stranded tinned copper conductors
- Aluminum/polyester foil shield, 25% overlap min.
Foil facing inward
Stranded tinned copper drain wire equal in size to conductor (unless noted)
- Polyethylene, polypropylene, or semirigid PVC insulation (see tables)
- Slate PVC jacket

Availability

100 ft (30.5 m)
500 ft (152 m)
1000 ft (305 m)
Bulk, cut to length
(Minimums may apply)

AWM 2919, UL CM, Polyethylene Insulation

20 AWG (0.56 mm²)

Stranding: 7/28 (7 x 0.32 mm)
Insulation thickness: 0.013 (0.25 mm)

Part No.	Pairs	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M13143	3	0.324	8.23	0.032	0.64
M13146	6	0.448	11.38	0.043	1.09
M13149	9	0.522	13.26	0.043	1.09
M13151	11	0.579	14.71	0.050	1.27
M13152	12	0.598	15.19	0.050	1.27
M13155	15	0.650	16.51	0.050	1.27

AWM 2919, UL CM, Polyethylene Insulation

18 AWG (0.81 mm²)

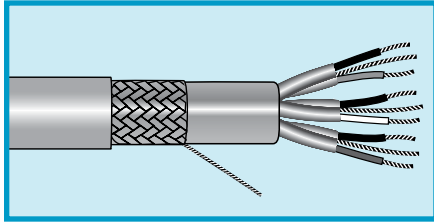
Stranding: 16/30 (16 x 0.25 mm)
Insulation thickness: 0.016 (0.41 mm)
Drain wire: 20 AWG (0.56 mm²)

Part No.	Pairs	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M13173	3	0.380	9.65	0.032	0.81
M13176	6	0.541	13.74	0.050	1.27
M13179	9	0.632	16.05	0.050	1.27
M13182	12	0.737	18.72	0.065	1.65
M13185	15	0.817	20.75	0.065	1.65



Manhattan™ Audio/Video Cable

300 V Individually Foil Shielded Pairs, Multipair, PP, PVC



20 AWG (0.56 mm ²)					
Stranding: 7/28 (7 x 0.32 mm)					
Insulation thickness: 0.015 (0.38 mm)					
Part No.	Pairs	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M14604	4	0.365	9.27	0.030	0.76

Mutual capacitance: 23 pF/ft (75.5 pF/m)
Ground capacitance: 41 pF/ft (134.5 pF/m)

UL CMG VW-1
CSA CMG

Applications

- Communication and instrumentation systems requiring special wiring
- Audio process-control computer systems

Operating Temperature

- -20°C to +105°C

Conductor Color Coding

- 1 Black-Red, 2 Green-White, 3 White/Red-White/Black, 4 White/Yellow-White/Green

Materials

- Stranded tinned copper conductors
- Polypropylene insulation
- Aluminum/polyester foil shield, 25% overlap min
Foil facing inward
- 22 AWG (0.35 mm²) stranded tinned copper drain wire
- Slate PVC jacket

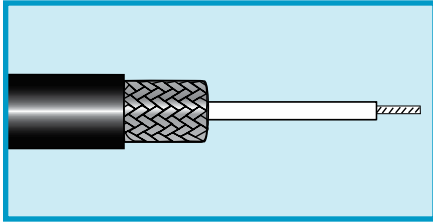
Availability

100 ft (30.5 m)
500 ft (152 m)
1000 ft (305 m)
Bulk, cut to length
(Minimums may apply)



Manhattan™ Audio/Video Cable

Braid or Spiral Shield, Single Conductor, PE, PVC
Microphone Cable



Applications

- High-impedance microphones
- Hi-fi interconnection systems
- Instruments and tape recorders

Operating Temperature

- -20°C to +60°C

Materials

- Stranded tinned copper conductors*
- Polyethylene insulation

- Braided tinned copper or spiral wrapped tinned copper shield
- Slate PVC jacket

Availability

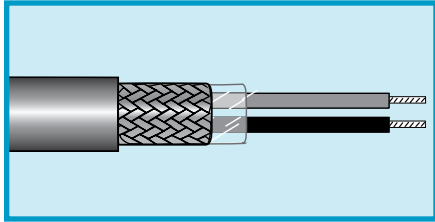
- 100 ft (30.5 m)
- 500 ft (152 m)
- 1000 ft (305 m)
- Bulk, cut to length
(Minimums may apply)

Part No.	Voltage	Wire Size		Stranding		Nominal Diameter		Shield	Jacket Thickness		Insulation Thickness		Capacitance	
		AWG	mm ²	AWG	mm	Inch	mm		Inch	mm	Inch	mm	pF/ft	pF/m
M3601*	300	30	0.05	7/38*	7 x 0.10	0.086	2.18	Braid	0.016	0.41	0.012	0.30	32	105.0
M3633*	1000	26	0.14	7/34*	7 x 0.16	0.101	2.57	Spiral	0.020	0.50	0.016	0.41	35	114.8
M3605	3500	24	0.20	10/34	10 x 0.16	0.146	3.71	Braid	0.030	0.76	0.020	0.50	36	118.1
M3635	1000	24	0.20	10/34	10 x 0.16	0.106	2.69	Spiral	0.020	0.50	0.016	0.41	41	134.5
M3611	4000	20	0.52	26/34	26 x 0.16	0.180	4.57	Braid	0.030	0.76	0.030	0.76	39	128.0

*M3601 and M3633 have 3 strands of tinned copper and 4 strands of tinned Copperweld.

Manhattan™ Audio/Video Cable

300 V Braid Shield, Multiconductor, PVC, PVC
Microphone Cable



UL AWM 2095
UL CMG
CSA CMG FT4

Operating Temperature

- -20°C to +80°C (AWM)
- -20°C to +75°C (CMG)

Conductor Color Code

- 1 Black, 2 Red

Materials

- Solid or stranded tinned copper conductors
- PVC insulation
- Tinned copper braid shield, 88% coverage
Drain wire equivalent to conductors
- Black PVC jacket

Availability

100 ft (30.5 m)
500 ft (152 m)
1000 ft (305 m)
Bulk, cut to length
(Minimums may apply)

22 AWG (0.32 mm²)

Stranding: Solid
Insulation thickness: 0.016 (0.41 mm)

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M14461	2	0.195	4.95	0.028	0.71

Mutual capacitance: 41 pF/ft (134.5 pF/m)
Ground capacitance: 74 pF/ft (242.8 pF/m)

22 AWG (0.35 mm²)

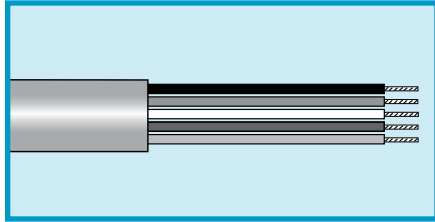
Stranding: 7/30 (7 x 0.25 mm)
Insulation thickness: 0.016 (0.41 mm)

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M14462	2	0.205	5.21	0.028	0.71

Mutual capacitance: 43 pF/ft (141.3 pF/m)
Ground capacitance: 77 pF/ft (252.6 pF/m)

Manhattan™ Audio/Video Cable

300 V Unshielded, Multiconductor, PVC, PVC



UL AWM 2509, 2576
UL CL2
UL CMG
CSA CMG FT4

Applications

- Unbalanced intercom and sound systems
- Remote circuit controls
- Telephones
- Low-voltage circuits

Operating Temperature

- -20°C to +80°C (AWM)
- -20°C to +75°C (CMG and CL2)

Conductor Color Coding

- Chart D (page 531)

Materials

- Stranded tinned copper conductors
- PVC insulation
- Slate PVC jacket

Availability

100 ft (30.5 m)
 500 ft (152 m)
 1000 ft (305 m)
 Bulk, cut to length
 (Minimums may apply)

UL AWM 2509, UL CMG

20 AWG (0.56 mm²)

Stranding: 7/28 (7 x 0.32 mm)
 Insulation thickness: 0.016 (0.41 mm)
 Color Code D

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M33402	2	0.183	4.65	0.020	0.51
M33403	3	0.191	4.85	0.020	0.51
M33404	4	0.209	5.31	0.020	0.51
M33406	6	0.251	6.38	0.020	0.51
M33408	8	0.273	6.93	0.020	0.51
M33410	10	0.320	8.13	0.020	0.51
M33412	12	0.331	8.41	0.020	0.51
M33415	15	0.362	9.19	0.020	0.51
M33419	19	0.390	9.91	0.020	0.51

UL AWM 2509, UL CMG

18 AWG (0.81 mm²)

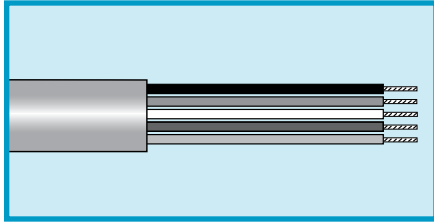
Stranding: 16/30 (7 x 0.25 mm)
 Insulation thickness: 0.016 (0.41 mm)
 Color Code D

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	Mm
M33502	2	0.208	5.28	0.025	0.64
M33503	3	0.220	5.59	0.025	0.64
M33504	4	0.241	6.12	0.025	0.64
M33505	5	0.264	6.71	0.025	0.64
M33506	6	0.288	7.32	0.025	0.64
M33507	7	0.288	7.32	0.025	0.64
M33508	8	0.313	7.95	0.025	0.64
M33510	10	0.366	9.30	0.025	0.64
M33512	12	0.378	9.60	0.025	0.64
M33515	15	0.423	10.74	0.030	0.76
M33519	19	0.465	11.81	0.035	0.89
M33525	25	0.544	13.82	0.035	0.89



Manhattan™ Audio/Video Cable

300 V Unshielded, Multiconductor, PVC, PVC



UL AWM 2509, 2576
UL CL2
UL CMG
CSA CMG FT4

Applications

- Unbalanced intercom and sound systems
- Remote circuit controls
- Telephones
- Low-voltage circuits

Operating Temperature

- -20°C to +80°C (AWM)
- -20°C to +75°C (CMG and CL2)

Conductor Color Coding

- Chart D (page 531)

Materials

- Stranded tinned copper conductors
- PVC insulation
- Slate PVC jacket

Availability

100 ft (30.5 m)
 500 ft (152 m)
 1000 ft (305 m)
 Bulk, cut to length
 (Minimums may apply)

UL AWM 2509, UL CMG

16 AWG (1.32 mm²)

Stranding: 19/0.0117 (19 x 0.30 mm)
 Insulation thickness: 0.016 (0.41 mm)
 Color Code D

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M33572	2	0.232	5.89	0.025	0.64
M33573	3	0.246	6.25	0.025	0.64
M33574	4	0.273	6.93	0.025	0.64
M33576	6	0.327	8.31	0.025	0.64
M33578	8	0.356	9.04	0.025	0.64

UL AWM 2576, UL CL2

14 AWG (2.08 mm²)

Stranding: 41/30 (41 x 0.25 mm)
 Insulation thickness: 0.020 (0.51 mm)

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M33582	2	0.295	7.49	0.032	0.81
M33583	3	0.313	7.95	0.032	0.81

UL AWM 2576, UL CL2

12 AWG (3.29 mm²)

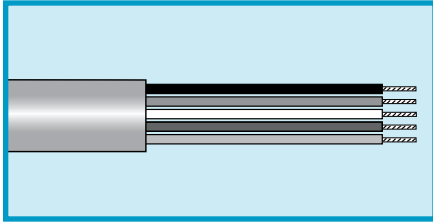
Stranding: 65/30 (65 x 0.25 mm)
 Insulation thickness: 0.020 (0.51 mm)

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M33590	2	0.333	8.45	0.032	0.81
M33591	3	0.354	8.99	0.032	0.81



Manhattan™ Audio/Video Cable

300 V Unshielded, Multiconductor, SR-PVC, PVC



**UL AWM 2464, 2509, 2576
UL CMG
CSA CMG FT4**

Applications

- Unbalanced intercom and sound systems
- Remote circuit controls
- Telephones
- Low-voltage circuits

Operating Temperature

- -20°C to +80°C (AWM)
- -20°C to +75°C (CMG)

Conductor Color Coding

- Chart E (page 532) for AWM 2464
- Chart D (page 531) for AWM 2576

Materials

- Stranded tinned copper conductors
- Semirigid PVC insulation
- Slate PVC jacket

Availability

100 ft (30.5 m)
500 ft (152 m)
1000 ft (305 m)

Bulk

(Minimums may apply)

UL AWM 2464, UL CMG

24 AWG (0.22 mm²)

Stranding: 7/32 (7 x 0.20 mm)
Insulation thickness: 0.010 (0.25 mm)
Color Code E

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M38902	2	0.155	3.94	0.032	0.81
M38903	3	0.162	4.11	0.032	0.81
M38904	4	0.173	4.39	0.032	0.81
M38906	6	0.200	5.08	0.032	0.81
M38908	8	0.213	5.41	0.032	0.81
M38910	10	0.243	6.17	0.032	0.81
M38915	15	0.269	6.83	0.032	0.81
M38920	20	0.297	7.54	0.032	0.81
M38925	25	0.331	8.41	0.032	0.81
M38930	30	0.349	8.86	0.032	0.81
M38940	40	0.389	9.88	0.032	0.81
M38950	50	0.426	10.82	0.032	0.81

UL AWM 2576, UL CMG

22 AWG (0.35 mm²)

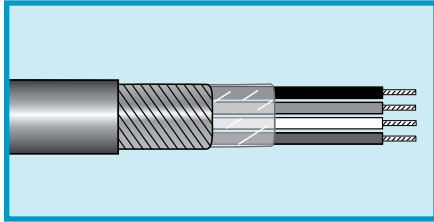
Stranding: 7/30 (7 x 0.25 mm)
Insulation thickness: 0.010 (0.25 mm)
Color Code D

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M33302	2	0.164	4.16	0.032	0.81
M33303	3	0.175	4.45	0.032	0.81
M33304	4	0.188	4.78	0.032	0.81
M33305	5	0.203	5.16	0.032	0.81
M33306	6	0.218	5.54	0.032	0.81
M33308	8	0.233	5.92	0.032	0.81
M33310	10	0.267	6.78	0.032	0.81
M33312	12	0.275	6.99	0.032	0.81
M33315	15	0.297	7.54	0.032	0.81
M33320	20	0.329	8.36	0.032	0.81
M33325	25	0.367	9.32	0.032	0.81
M33330	30	0.388	9.86	0.032	0.81
M33340	40	0.432	10.97	0.032	0.81
M33350	50	0.481	12.22	0.035	0.89
M33360	60	0.523	13.28	0.035	0.89



Manhattan™ Audio/Video Cable

300 V Spiral Wrap Copper Shield, Multiconductor, PVC, PVC



UL AWM 2095
UL AWM 1108
 (Single conductor)
UL CMG
CSA CMG FT4

Applications

- Audio and RF frequencies

Operating Temperature

- -20°C to +80°C (AWM)
- -20°C to +75°C (CMG)

Conductor Color Coding

- 1 Black, 2 Red, 3 White, 4 Green, 5 Yellow, 6 Blue
- Part No. M13282: 1 Red, 2 White

Materials

- Stranded tinned copper conductors
- PVC insulation
- Spiral wrapped tinned copper shield, 90% coverage
- Slate PVC jacket

Availability

100 ft (30.5 m)
 500 ft (152 m)
 1000 ft (305 m)
 Bulk, cut to length
 (Minimums may apply)

22 AWG (0.35 mm²)

Stranding: 7/30 (7 x 0.25 mm)
 Insulation thickness: 0.016 (0.41 mm)

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M3261	1	0.112	2.84	0.020	0.51
M3262	2	0.177	4.50	0.020	0.51
M3263	3	0.187	4.75	0.020	0.51
M3264	4	0.206	5.23	0.020	0.51
M3266	6	0.243	6.17	0.020	0.51

20 AWG (0.50 mm²)

Stranding: 10/30 (10 x 0.25 mm)
 Insulation thickness: 0.016 (0.41 mm)

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M3271	1	0.119	3.02	0.020	0.51
M3272	2	0.191	4.85	0.020	0.51
M3273	3	0.202	5.13	0.020	0.51
M3274	4	0.223	5.66	0.020	0.51
M3276	6	0.264	6.71	0.020	0.51

20 AWG (0.56 mm²)

Stranding: 7/28 (10 x 0.32 mm)
 Insulation thickness: 0.016 (0.41 mm)

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M13272	2	0.203	5.16	0.025	0.64

18 AWG (0.81 mm²)

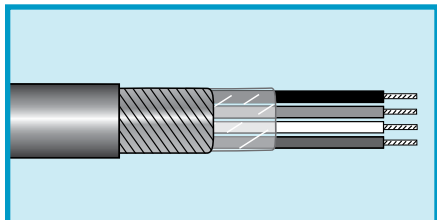
Stranding: 16/30 (16 x 0.25 mm)
 Insulation thickness: 0.016 (0.41 mm)

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M3281	1	0.129	3.28	0.020	0.51
M3282	2	0.214	5.44	0.020	0.51
M3283	3	0.226	5.74	0.020	0.51
M3284	4	0.247	6.27	0.020	0.51



Manhattan™ Audio/Video Cable

300 V Spiral Wrap Copper Shield, Multiconductor, PVC, PVC



- UL AWM 2095
- UL AWM 1108
- (Single conductor)
- UL CMG
- CSA CMG FT4

Applications

- Audio and RF frequencies

Operating Temperature

- -20°C to +80°C (AWM)
- -20°C to +75°C (CMG)

Conductor Color Coding

- 1 Black, 2 Red, 3 White, 4 Green, 5 Yellow, 6 Blue
- Part No. M13282: 1 Red, 2 White

Materials

- Stranded tinned copper conductors
- PVC insulation
- Spiral wrapped tinned copper shield, 90% coverage
- Slate PVC jacket

Availability

100 ft (30.5 m)
 500 ft (152 m)
 1000 ft (305 m)
 Bulk, cut to length
 (Minimums may apply)

18 AWG (0.89 mm ²)					
Stranding: 7/26 (7 x 0.40 mm)					
Insulation thickness: 0.022 (0.56 mm)					
Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M13282	2	0.256	6.50	0.028	0.71
M13283	3	0.270	6.86	0.028	0.71

16 AWG (1.32 mm ²)					
Stranding: 26/30 (26 x 0.25 mm)					
Insulation thickness: 0.016 (0.41 mm)					
Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M3287	2	0.240	6.10	0.025	0.64
M3288	3	0.254	6.45	0.025	0.64

16 AWG (1.32 mm ²)					
Stranding: 19/0.0117 (19 x 0.30 mm)					
Insulation thickness: 0.023 (0.58 mm)					
Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M13287	2	0.286	7.26	0.030	0.76

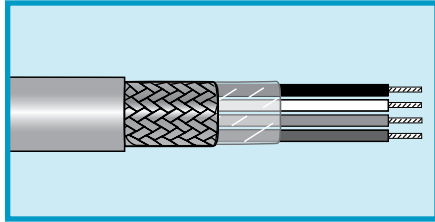
14 AWG (2.08 mm ²)					
Stranding: 41/30 (41 x 0.25 mm)					
Insulation thickness: 0.020 (0.51 mm)					
Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M3289*	2	0.295	7.49	0.025	0.64
M3290*	3	0.312	7.92	0.025	0.64

*450 V.



Manhattan™ Audio/Video Cable

300 V Braid Shield, Multiconductor, PVC, PVC



**UL AWM 2095, 2464
CSA CMG FT4**

Applications

- Audio and sound systems experiencing high flexing and needing additional tensile strength

Operating Temperature

- -20°C to +80°C (AMW)
- -20°C to +75°C (CMG)

Conductor Color Coding

- Chart D (page 531), unless otherwise noted

Materials

- Stranded tinned copper conductors
- PVC insulation
- Tinned copper braid shield, 85% coverage
- Slate PVC jacket

Availability

100 ft (30.5 m)
500 ft (152 m)
1000 ft (305 m)
Bulk, cut to length
(Minimums may apply)

UL 2095

22 AWG (0.035mm²)

Stranding: 7/30 (7 x 0.25 mm)
Insulation thickness: 0.016 (0.41 mm)

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M3202	2	0.189	4.80	0.020	0.51
M13203	3	0.199	5.05	0.020	0.51
M3204	4	0.215	5.46	0.020	0.51

UL 2095

20 AWG (0.56 mm²)

Stranding: 7/28 (7 x 0.32 mm)
Insulation thickness: 0.016 (0.41 mm)

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M3206	2	0.205	5.21	0.020	0.51
M3207	3	0.216	5.49	0.020	0.51
M3208	4	0.234	5.94	0.020	0.51
M13209*	6	0.300	7.62	0.032	0.81
M13210*	12	0.396	10.06	0.040	1.02

*UL AWM 2464. Conductor color code Chart F (page 532).

UL 2095

18 AWG (0.81 mm²)

Stranding: 16/30 (16 x 0.25 mm)
Insulation thickness: 0.016 (0.41 mm)

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M3212	2	0.223	5.66	0.020	0.51
M3213	3	0.235	5.97	0.020	0.51
M3214	4	0.256	6.50	0.020	0.51

UL 2095

16 AWG (1.32 mm²)

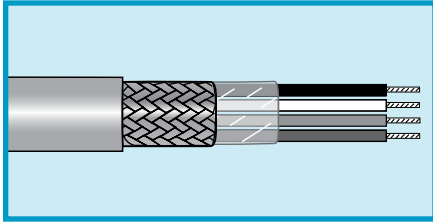
Stranding: 19/0.0117 (19 x 0.30 mm)
Insulation thickness: 0.016 (0.41 mm)

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M3216	2	0.247	6.27	0.020	0.51
M3217	3	0.261	6.63	0.020	0.51



Manhattan™ Audio/Video Cable

300 V Braid Shield, Multiconductor, PVC, PVC



**UL AWM 2095, 2464
CSA CMG FT4**

Applications

- Audio and sound systems experiencing high flexing and needing additional tensile strength

Operating Temperature

- -20°C to +80°C (AMW)
- -20°C to +75°C (CMG)

Conductor Color Coding

- Chart D (page 531), unless otherwise noted

Materials

- Stranded tinned copper conductors
- PVC insulation
- Tinned copper braid shield, 85% coverage
- Slate PVC jacket

Availability

100 ft (30.5 m)
500 ft (152 m)
1000 ft (305 m)
Bulk, cut to length
(Minimums may apply)

450 V; Not UL Recognized

14 AWG (2.08 mm²)

Stranding: 41/30 (41 x 0.25 mm)
Insulation thickness: 0.020 (0.51 mm)

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M33218	2	0.299	7.59	0.020	0.51
M33219	3	0.317	8.05	0.020	0.51

450 V; Not UL Recognized

12 AWG (3.29 mm²)

Stranding: 65/30 (65 x 0.25 mm)
Insulation thickness: 0.020 (0.51 mm)

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M33220	2	0.337	8.56	0.020	0.51
M33221	3	0.358	9.09	0.020	0.51

