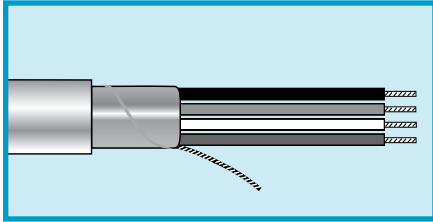


Manhattan™ Plenum Cable

300 V Overall Foil Shield, Multiconductor, PVC, PVC, Plenum Rated



UL CMP
CSA CMP FT6

Operating Temperature

- -20°C to +75°C

Conductor Color Coding

- 1 Black, 2 Red, 3 White, 4 Green, 5 Brown, 6 Blue, 7 Orange, 8 Yellow, 9 Violet, 10 Slate

Materials

- Stranded bare copper conductors
- Plenum-rated PVC insulation
- Aluminum/polyester foil shield, 25% overlap min.
Foil facing outward
- Stranded tinned copper drain wire (see tables for size)
- White plenum-rated 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: 0.010 (0.25 mm)
24 AWG (0.22 mm²) drain wire

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M244837	2	0.122	3.10	0.015	0.38
M244838	3	0.129	3.28	0.015	0.38
M244839	4	0.140	3.56	0.015	0.38

22 AWG (0.35 mm²)

Stranding: 7/30 (7 x 0.25 mm)
Insulation thickness: 0.010 (0.25 mm)
24 AWG (0.22 mm²) drain wire

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M244800	2	0.134	3.40	0.015	0.38
M244801	3	0.142	3.61	0.015	0.38
M244802	4	0.155	3.94	0.015	0.38
M244804	6	0.178	4.52	0.015	0.38
M244806	8	0.200	5.08	0.015	0.38
M244808	10	0.234	5.94	0.015	0.38

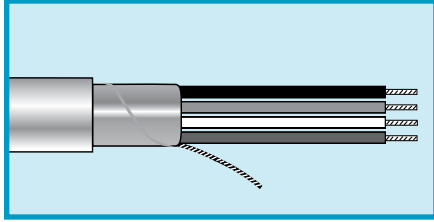
20 AWG (0.56 mm²)

Stranding: 7/28 (7 x 0.32 mm)
Insulation thickness: 0.010 (0.25 mm)
22 AWG (0.35 mm²) drain wire

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	Mm
M244816	2	0.150	3.81	0.015	0.38
M244817	3	0.159	4.04	0.015	0.38
M244818	4	0.174	4.42	0.015	0.38

Manhattan™ Plenum Cable

300 V Overall Foil Shield, Multiconductor, PVC, PVC, Plenum Rated



UL CMP
CSA CMP FT6

Operating Temperature

- -20°C to +75°C

Conductor Color Coding

- 1 Black, 2 Red, 3 White, 4 Green, 5 Brown, 6 Blue, 7 Orange, 8 Yellow, 9 Violet, 10 Slate

Materials

- Stranded bare copper conductors
- Plenum-rated PVC insulation
- Aluminum/polyester foil shield, 25% overlap min.
Foil facing outward
- Stranded tinned copper drain wire (see tables for size)
- White plenum-rated 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 mm²)

Stranding: 7/26 (16 x 0.40 mm)
Insulation thickness: 0.010 (0.25 mm)
20 AWG (0.56 mm²) drain wire

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	Mm
M244825	2	0.146	3.71	0.015	0.38
M244826	3	0.181	4.60	0.015	0.38
M244827	4	0.199	5.05	0.015	0.38

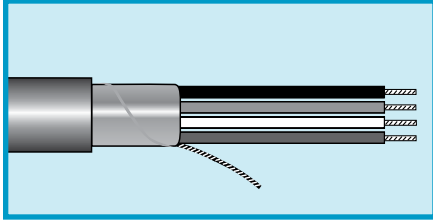
16 AWG (1.32 mm²)

Stranding: 19/0.0117 (19 x 0.30 mm)
Insulation thickness: 0.010 (0.25 mm)
18 AWG (0.89 mm²) drain wire

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M244834	2	0.192	4.88	0.015	0.38
M244835	3	0.204	5.18	0.015	0.38
M244836	4	0.225	5.71	0.015	0.38

Manhattan™ Plenum Cable

300 V Overall Foil Shield, Multiconductor, FEP, PVDF, Plenum Rated



UL CMR
CSA CMP FT6

Operating Temperature

- -40°C to +125°C

Conductor Color Coding

- Chart D (page 519)

Materials

- Stranded tinned copper conductors
- FEP insulation
- Aluminum/polyester foil shield, 25% overlap min.
Foil facing outward
- Stranded tinned copper drain wire (see tables for size)
- Red PVDF 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: 0.006 (0.15 mm)
24 AWG (0.22 mm²) drain wire

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M413226	2	0.118	3.00	0.015	0.38

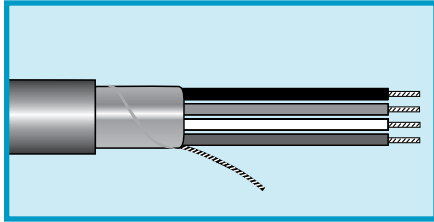
18 AWG (0.96 mm²)

Stranding: 19/30 (19 x 0.25 mm)
Insulation thickness: 0.007 (0.18 mm)
20 AWG (0.56 mm²) drain wire

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M413242	2	0.162	4.11	0.015	0.38

Manhattan™ Plenum Cable

300 V Overall Foil Shield, Multiconductor, FEP, FEP, Plenum Rated



UL CMP
CSA CMP FT6

Operating Temperature

- -20°C to +150°C

Conductor Color Coding

- Chart F (page 520), unless noted

Materials

- Stranded tinned copper conductors
- FEP insulation
- Aluminum/polyester foil shield, 25% overlap min.
Foil facing outward
Stranded tinned copper drain wire (see tables for size)
- Slate FEP 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: 0.006 (0.15 mm)
24 AWG (0.22 mm²) drain wire

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M64837	2	0.096	2.44	0.010	0.25
M64838	3	0.102	2.59	0.010	0.25
M64839	4	0.111	2.82	0.010	0.25
M64840	5	0.122	3.10	0.010	0.25
M64841	6	0.133	3.38	0.010	0.25
M64842	7	0.133	3.38	0.010	0.25
M64843	8	0.168	4.26	0.012	0.30
M64844	9	0.159	4.04	0.012	0.30
M64845	10	0.172	4.37	0.012	0.30
M64846	12	0.178	4.52	0.012	0.30
M64847	15	0.193	4.90	0.012	0.30

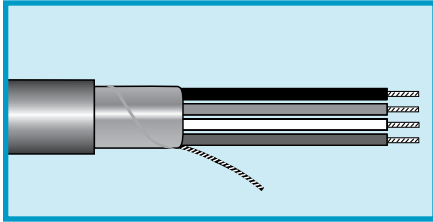
22 AWG (0.35 mm²)

Stranding: 7/30 (7 x 0.25 mm)
Insulation thickness: 0.006 (0.15 mm)
24 AWG (0.22 mm²) drain wire

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M64800	2	0.108	2.74	0.010	0.25
M64801	3	0.115	2.92	0.010	0.25
M64802	4	0.126	3.20	0.010	0.25
M64803	5	0.138	3.51	0.010	0.25
M64804	6	0.151	3.84	0.010	0.25
M64805	7	0.151	3.84	0.010	0.25
M64806	8	0.168	4.27	0.012	0.30
M64807	9	0.181	4.60	0.012	0.30
M64808	10	0.196	4.98	0.012	0.30
M64809	12	0.203	5.16	0.012	0.30
M64812	15	0.221	5.61	0.012	0.30

Manhattan™ Plenum Cable

300 V Overall Foil Shield, Multiconductor, FEP, FEP, Plenum Rated



UL CMP
CSA CMP FT6

Operating Temperature

- 20°C to +150°C

Conductor Color Coding

- Chart F (page 520), unless noted

Materials

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

Availability

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

-80 to +150°C Temperature Rating, Color Code D

22 AWG (0.35 mm²)

Stranding: 7/30 (7 x 0.25 mm)
Insulation thickness: 0.006 (0.15 mm)
24 AWG (0.22 mm²) drain wire

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M613226	1	0.118	2.99	0.015	0.38

20 AWG (0.56 mm²)

Stranding: 7/28 (7 x 0.32 mm)
Insulation thickness: 0.006 (0.15 mm)
22 AWG (0.35 mm²) drain wire

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	Mm
M64816	2	0.124	3.15	0.010	0.25
M64817	3	0.132	3.35	0.010	0.25
M64818	4	0.145	3.68	0.010	0.25
M64820	6	0.175	4.45	0.010	0.25
M64822	8	0.194	4.93	0.012	0.30
M64824	10	0.228	5.79	0.012	0.30

-80 to +150°C Temperature Rating, Color Code D

18 AWG (0.96 mm²)

Stranding: 19/30 (19 x 0.25 mm)
Insulation thickness: 0.007 (0.18 mm)
20 AWG (0.60 mm²) drain wire

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M613242	2	0.162	4.11	0.015	0.38

18 AWG (0.89 mm²)

Stranding: 7/26 (16 x 0.40 mm)
Insulation thickness: 0.009 (0.23 mm)
20 AWG (0.56 mm²) drain wire

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M64825	2	0.160	4.06	0.010	0.25
M64826	3	0.166	4.22	0.010	0.25
M64827	4	0.188	4.78	0.012	0.30
M64829	6	0.227	5.77	0.012	0.30
M64831	8	0.247	6.27	0.012	0.30

16 AWG (1.43 mm²)

Stranding: 7/24 (7 x 0.51 mm)
Insulation thickness: 0.009 (0.23 mm)
18 AWG (0.89 mm²) drain wire

Part No.	Conductors	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M64834	2	0.180	4.57	0.010	0.25
M64835	3	0.196	4.98	0.012	0.30
M64836	4	0.217	5.51	0.012	0.30

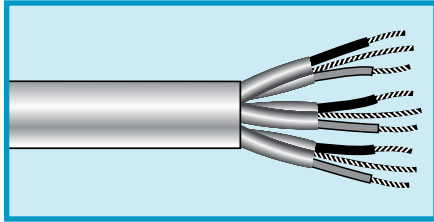


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Specifications subject to change. For complete specifications and availability, visit www.alphawire.com.

Manhattan™ Plenum Cable

300 V Individually Foil Shielded Pairs, Multipair, PVC, PVC
Plenum Rated



UL CMP
CSA CMP

Operating Temperature

- -20°C to +75°C

Conductor Color Coding

- Chart A1 (page 516)
(Part number M243473: Black, white, green/yellow)

Materials

- Stranded bare copper conductors
- Plenum-rated PVC insulation
- Aluminum/polyester foil shield, 25% overlap min.
Foil facing inward
Stranded tinned copper drain wire (see tables for size)
- White plenum-rated 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: 0.007 (0.18mm)
24 AWG (0.22 mm²) drain wire

Part No.	Pairs	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	Mm
M44473	2	0.192	4.88	0.015	0.38
M43103	3	0.211	5.36	0.015	0.38
M43106	6	0.301	7.65	0.024	0.60

22 AWG (0.35 mm²)

Stranding: 7/30 (7 x 0.25 mm)
Insulation thickness: 0.010 (0.25 mm)
22 AWG (0.35 mm²) drain wire

Part No.	Pairs	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	Mm
M243473	2	0.219	5.56	0.015	0.38
M243103	3	0.227	5.77	0.015	0.38
M243106	6	0.316	8.03	0.020	0.51

20 AWG (0.56 mm²)

Stranding: 7/28 (7 x 0.32 mm)
Insulation thickness: 0.010 (0.25 mm)
22 AWG (0.35 mm²) drain wire

Part No.	Pairs	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	Mm
M243142	2	0.241	6.12	0.015	0.38
M243143	3	0.258	6.55	0.015	0.38
M243144	4	0.295	7.49	0.020	0.51

18 AWG (0.89 mm²)

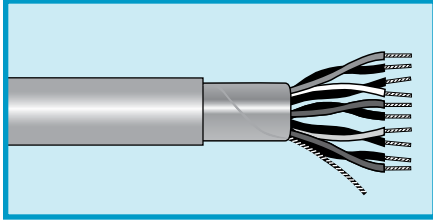
Stranding: 7/26 (16 x 0.40 mm)
Insulation thickness: 0.010 (0.25 mm)
20 AWG (0.56 mm²) drain wire

Part No.	Pairs	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	Mm
M243172	2	0.276	7.01	0.015	0.38
M243173	3	0.295	7.49	0.015	0.38



Manhattan™ Plenum Cable

300 V Overall Foil Shield, Multipair, FEP, PVC, Plenum Rated



UL CMP
CSA CMP FT6

Operating Temperature

- -20°C to +75°C

Conductor Color Coding

- Chart K (page 517)

Materials

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

Availability

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

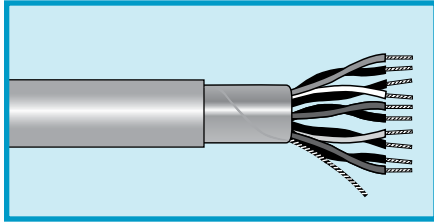
24 AWG (0.22 mm²)

Stranding: 7/32 (7 x 0.20 mm)
Insulation thickness: 0.006 (0.15 mm)
24 AWG (0.22 mm²) drain wire

Part No.	Pairs	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	Mm
M52893	1	0.155	3.94	0.015	0.38
M52894	2	0.155	3.94	0.015	0.38
M52895	3	0.164	4.17	0.015	0.38
M52896	4	0.180	4.57	0.015	0.38
M52897	5	0.197	5.00	0.015	0.38
M52898	6	0.215	5.46	0.015	0.38
M52900	9	0.252	6.40	0.015	0.38
M52902	12.5	0.282	7.16	0.015	0.38

Manhattan™ Plenum Cable

300 V Overall Foil Shield, Multipair, FEP, FEP, Plenum Rated



UL CMP
CSA CMP

Operating Temperature

- -80°C to +150°C

Conductor Color Coding

- Chart K (page 517)

Materials

- Stranded bare copper pairs
- FEP insulation
- Aluminum/polyester foil shield,
25% overlap min.
Foil facing inward
- Stranded tinned copper
drain wire sized the same as
conductors
- Red FEP 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)

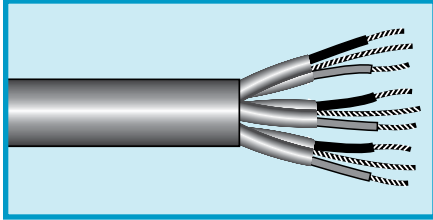
Stranding: 7/32 (7 x 0.20 mm)
Insulation thickness: 0.006 (0.15 mm)
24 AWG (0.22 mm²) drain wire

Part No.	Pairs	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M613190	1	0.155	3.94	0.015	0.38
M613191	2	0.155	3.94	0.015	0.38
M613192	3	0.164	4.17	0.015	0.38
M613193	4	0.180	4.57	0.015	0.38
M613194	5	0.197	5.00	0.015	0.38



Manhattan™ Plenum Cable

300 V Individually Foil Shielded Pairs, Multipair, FEP, PVDF
Plenum Rated



UL CMP
CSA CMP

Operating Temperature

- -20°C to +150°C
- -20°C to +75°C (CMP)

Conductor Color Coding

- Chart M (page 518)

Materials

- Stranded bare copper conductors
- FEP insulation
- Aluminum/polyester foil shield, 25% overlap min.
Foil facing inward
- Stranded tinned copper drain wire sized the same as conductors
- Slate PVDF 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: 0.010 (0.25 mm)
24 AWG (0.22 mm²) drain wire

Part No.	Pairs	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	Mm
M42891	2	0.192	4.88	0.015	0.38
M42892	3	0.205	5.21	0.015	0.38
M42893	4	0.244	6.20	0.015	0.38
M42894	5	0.250	6.35	0.015	0.38
M42895	6	0.274	6.96	0.015	0.38
M42896	7	0.274	6.96	0.015	0.38
M42897	9	0.325	8.26	0.015	0.38
M42898	12	0.367	9.32	0.015	0.38
M42899	18	0.446	11.33	0.020	0.51