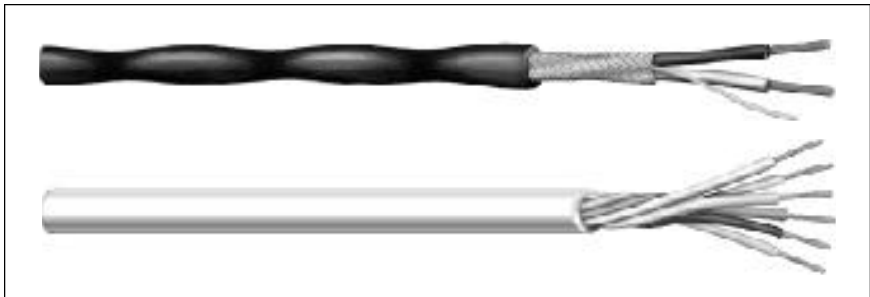


Communication & Control Cable, Multi-Conductor

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The multi-conductor array of communication and control cable facilitates cable pull-ins and single-site installations.

This cable is typically used for industrial equipment control, electric valve actuation and remote signaling, as well as communications and broadcast applications. These designs are available in a wide variety of insulation and jacketing materials, as well as shield designs to alleviate unwanted circuit noise.

BICCGeneral's Carol® Brand products are manufactured to meet the latest UL, CSA, and NEC requirements and approvals.

A Design To Meet Every Application

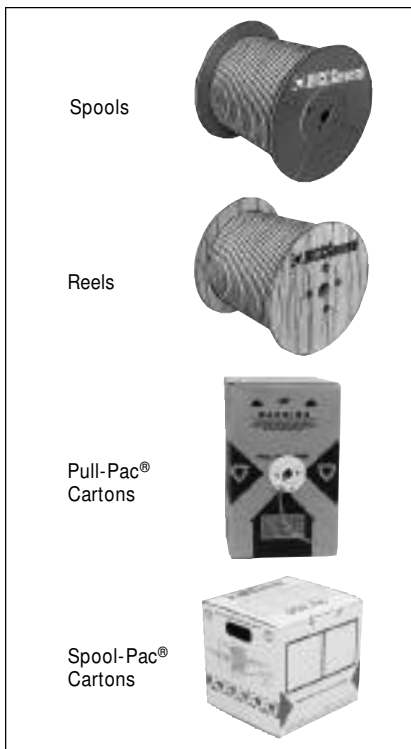
PVC/PVC designs employ polyvinyl chloride insulations and jackets capable of meeting everyday, general purpose applications.

PE or PP/PVC designs employ high quality polyethylene or polypropylene insulations to assure faithful reproduction of transmitted signals across interconnection circuits.

Foamed PP/PVC designs use high speed, foamed polypropylene insulations for long distance, critical circuits, which would not perform if higher loss insulations were employed.

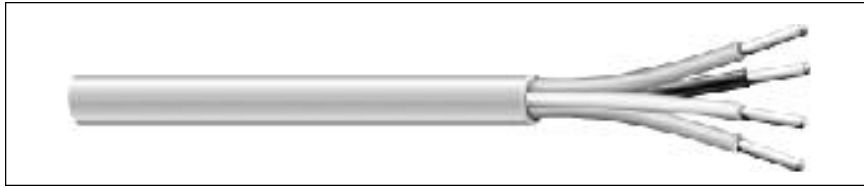
Rubber/Rubber is typically employed in installations characterized as severely hostile environments, where these designs provide unsurpassed service life.

Rubber/Carolprene® offers the ultimate performance for applications that demand the greatest protection from the environment, including physical abuse. The specially formulated Carolprene® jacket has been proven time and again to withstand all types of abuse, both mechanical and chemical.



Multi-Conductor, Unshielded

UL 2464, NEC Type CM (UL) c(UL), CSA CMG



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		COLOR CODE	NOM. C-C CAP.* pF/ft
				INCHES	mm	INCHES	mm	INCHES	mm		
C4008	2	22	Solid	0.010	0.25	0.032	0.81	0.155	3.93	Black/Red	25.0
C4310	3	22	Solid	0.010	0.25	0.032	0.81	0.161	4.09	Black/Red/White	25.0
C4311	2	20	Solid	0.010	0.25	0.032	0.81	0.168	4.27	Black/Red	28.0
C2754	2	19	Solid	0.010	0.25	0.032	0.81	0.176	4.47	Brown/Tan	29.5
C2755	3	19	Solid	0.010	0.25	0.032	0.81	0.184	4.67	Brown/Gray/Tan	29.5

*Capacitance between conductors

Product Construction:

Conductor:

- Fully annealed tinned copper per ASTM B-33
- Fully annealed solid bare copper to ASTM B-3, (C2754, C2755)

Insulation:

- Premium grade color coded S-R PVC per UL 1061

Jacket:

- PVC, gray
- Temperature Range: -20°C to +80°C

Applications:

- Public address systems
- Intercoms
- Remote control circuits
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2464 (UL: 80°C 300V)
- CSA CMG (CSA: 60°C)
- Designed to Meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMG Flame Test

Packaging:

- 1000' (305 m) Spools
- 500' (152 m) Spools
- Other put-ups available—consult Customer Service



Multi-Conductor, Unshielded

UL 2464, NEC Type CM (UL) c(UL), CSA CMG

Product Construction:

Conductor:

- 24 AWG fully annealed stranded tinned copper per ASTM B-33

Insulation:

- Premium grade color coded S-R PVC per UL 1061
- Color Code: See charts below

Jacket:

- PVC, gray
- Temperature Range: -20°C to +80°C

Applications:

- Public address systems
- Intercoms
- Internal telephones
- Remote control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 volts

Features:

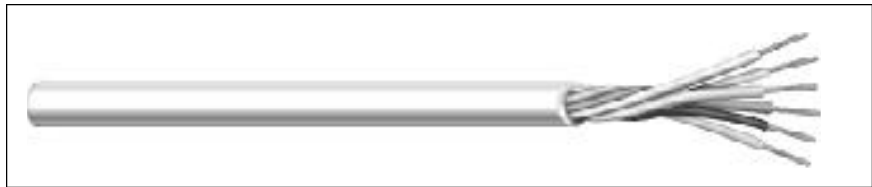
- Easy to terminate
- Excellent electrical properties
- Tinned conductors provide excellent corrosion resistance
- Assists soldering applications

Compliances:

- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2464 (UL: 80°C, 300V)
- CSA CMG (CSA: 60°C)
- Designed to Meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMG Flame Test

Packaging:

- 1000' (305 m) Spools or Reels
- 500' (152 m) Spools or Reels
- Other put-ups available—consult Customer Service



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		COLOR CODE	NOM. C-C CAP.* pF/ft
				INCHES	mm	INCHES	mm	INCHES	mm		
C2461	2	24	7/32	0.010	0.25	0.032	0.81	0.156	3.96	Black/Red	23.0
C2462	3	24	7/32	0.010	0.25	0.032	0.81	0.163	4.14	Black/Red/Green	23.0
C2463	4	24	7/32	0.010	0.25	0.032	0.81	0.174	4.42	1	23.0
C2464	5	24	7/32	0.010	0.25	0.032	0.81	0.187	4.75	1	23.0
C2466	6	24	7/32	0.010	0.25	0.032	0.81	0.200	5.08	1	23.0
C2488	7	24	7/32	0.010	0.25	0.032	0.81	0.200	5.08	1	23.0
C2465	8	24	7/32	0.010	0.25	0.032	0.81	0.214	5.44	1	23.0
C2470	9	24	7/32	0.010	0.25	0.032	0.81	0.227	5.77	1	23.0
C2471	10	24	7/32	0.010	0.25	0.032	0.81	0.244	6.20	1	23.0
C2467	12	24	7/32	0.010	0.25	0.032	0.81	0.251	6.38	1	23.0
C2473	15	24	7/32	0.010	0.25	0.032	0.81	0.275	6.99	2	23.0
C2475	20	24	7/32	0.010	0.25	0.032	0.81	0.302	7.67	2	23.0
C2476	25	24	7/32	0.010	0.25	0.032	0.81	0.332	8.43	2	23.0

*Capacitance between conductors

Color Code Chart 1 - For cables up to and including 12 conductors

NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	7	Orange
2	White	8	Yellow
3	Red	9	Violet
4	Green	10	Gray
5	Brown	11	Pink
6	Blue	12	Tan

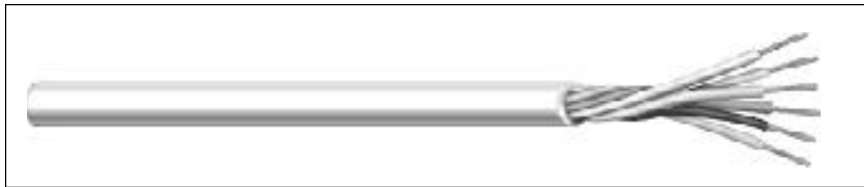
Color Code Chart 2 Per ICEA - For cables of 15 thru 25 conductors

NO. OF COND.	COLOR	NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	10	Orange/Black	19	Blue/Red
2	White	11	Blue/Black	20	Red/Green
3	Red	12	Black/White	21	Orange/Green
4	Green	13	Red/White	22	Black/White/Red
5	Orange	14	Green/White	23	White/Black/Red
6	Blue	15	Blue/White	24	Red/Black/White
7	White/Black	16	Black/Red	25	Green/Black/White
8	Red/Black	17	White/Red		
9	Green/Black	18	Orange/Red		



Multi-Conductor, Unshielded

UL 2464, NEC Type CM (UL) c(UL), CSA CMG



Product Construction:

Conductor:

- 22 AWG fully annealed, stranded tinned copper per ASTM B-33

Insulation:

- Premium grade color coded S-R PVC per UL 1061
- Color Code: See charts below

Jacket:

- PVC, gray
- Temperature Range: -20°C to +80°C

Applications:

- Public address systems
- Intercoms
- Internal telephones
- Remote control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 volts

Features:

- Easy to terminate
- Excellent electrical properties
- Tinned conductors provide excellent corrosion resistance
- Assists soldering applications

Compliances:

- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2464 (UL: 80°C, 300V)
- CSA CMG (CSA 80°C)
- Designed to Meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMG Flame Test

Packaging:

- 1000' (305 m) Spools or Reels
- 500' (152 m) Spools or Reels
- Other put-ups available—consult Customer Service

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		COLOR CODE	NOM. C-C CAP. * pF/ft
				INCHES	mm	INCHES	mm	INCHES	mm		
C6348†	2	22	7/30	0.010	0.25	0.015	0.38	0.130	3.30	Black/Red	25.5
C4062	3	22	7/30	0.010	0.25	0.032	0.81	0.176	4.47	Black/Red/Green	25.5
C4063	4	22	7/30	0.010	0.25	0.032	0.81	0.189	4.80	1	25.5
C4064	5	22	7/30	0.010	0.25	0.032	0.81	0.203	5.16	1	25.5
C4066	6	22	7/30	0.010	0.25	0.032	0.81	0.218	5.54	1	25.5
C4088	7	22	7/30	0.010	0.25	0.032	0.81	0.218	5.54	1	25.5
C4065	8	22	7/30	0.010	0.25	0.032	0.81	0.234	5.94	1	25.5
C4070	9	22	7/30	0.010	0.25	0.032	0.81	0.249	6.32	1	25.5
C4071	10	22	7/30	0.010	0.25	0.032	0.81	0.268	6.81	1	25.5
C4067	12	22	7/30	0.010	0.25	0.032	0.81	0.276	7.01	1	25.5
C4073	15	22	7/30	0.010	0.25	0.032	0.81	0.303	7.70	2	25.5
C4069	18	22	7/30	0.010	0.25	0.032	0.81	0.318	8.08	2	25.5
C4075	20	22	7/30	0.010	0.25	0.032	0.81	0.334	8.48	2	25.5
C4076	25	22	7/30	0.010	0.25	0.032	0.81	0.368	9.35	2	25.5
C4077	30	22	7/30	0.010	0.25	0.032	0.81	0.389	9.88	2	25.5
C4078	40	22	7/30	0.010	0.25	0.032	0.81	0.434	11.02	2	25.5
C4079	50	22	7/30	0.010	0.25	0.032	0.81	0.489	12.42	2	25.5

* Capacitance between conductors

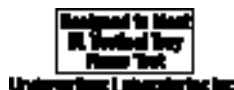
† CM- CSA CMG Only

Color Code Chart 1 - For cables up to and including 12 conductors

NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	7	Orange
2	White	8	Yellow
3	Red	9	Violet
4	Green	10	Gray
5	Brown	11	Pink
6	Blue	12	Tan

Color Code Chart 2 Per ICEA - For cables of 15 thru 50 conductors

NO. OF COND.	COLOR	NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	18	Orange/Red	35	White/Red/Orange
2	White	19	Blue/Red	36	Orange/White/Blue
3	Red	20	Red/Green	37	White/Red/Blue
4	Green	21	Orange/Green	38	Black/White/Green
5	Orange	22	Black/White/Red	39	White/Black/Green
6	Blue	23	White/Black/Red	40	Red/White/Green
7	White/Black	24	Red/Black/White	41	Green/White/Blue
8	Red/Black	25	Green/Black/White	42	Orange/Red/Green
9	Green/Black	26	Orange/Black/White	43	Blue/Red/Green
10	Orange/Black	27	Blue/Black/White	44	Black/White/Blue
11	Blue/Black	28	Black/Red/Green	45	White/Black/Blue
12	Black/White	29	White/Red/Green	46	Red/White/Blue
13	Red/White	30	Red/Black/Green	47	Green/Orange/Red
14	Green/White	31	Green/Black/Orange	48	Orange/Red/Blue
15	Blue/White	32	Orange/Black/Green	49	Blue/Red/Orange
16	Black/Red	33	Blue/White/Orange	50	Black/Orange/Red
17	White/Red	34	Black/White/Orange		



Multi-Conductor, Unshielded

UL 2464, NEC Type CM (UL) c(UL), CSA CMG

Product Construction:

Conductor:

- 20 or 18 AWG fully annealed stranded, tinned copper per ASTM B-33

Insulation:

- Premium grade color coded PVC per UL 1007
- Color Code: See charts below

Jacket:

- PVC, gray
- Temperature Range: -20°C to +80°C

Applications:

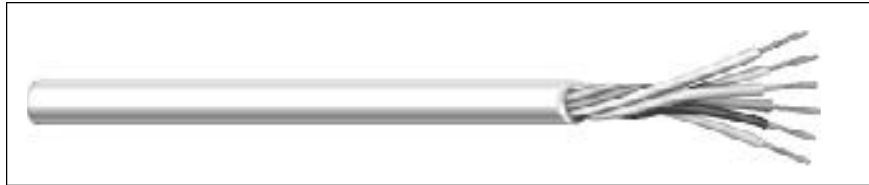
- Public address systems
- Intercoms
- Internal telephones
- Remote control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2464 (UL: 80°C, 300V)
- CSA CMG (CSA: 60°C)
- Designed to Meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMG Flame Test

Packaging:

- 1000' (305 m) Spools or Reels
- 500' (152 m) Spools or Reels
- Other put-ups available—consult Customer Service



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		COLOR CODE	NOM. C-C CAP.* pF/ft
				INCHES	mm	INCHES	mm	INCHES	mm		
C6351†	2	20	7/28	0.016	0.41	0.025	0.64	0.192	4.88	Black/Red	26.0
C6352	3	20	7/28	0.016	0.41	0.032	0.81	0.216	5.50	1	26.0
C6353	4	20	7/28	0.016	0.41	0.032	0.81	0.235	5.97	1	26.0
C6355	5	20	7/28	0.016	0.41	0.032	0.81	0.254	6.46	1	26.0
C6356	7	20	7/28	0.016	0.41	0.032	0.81	0.275	6.99	1	26.0
C6357	9	20	7/28	0.016	0.41	0.032	0.81	0.317	8.05	1	26.0
C6360	12	20	7/28	0.016	0.41	0.032	0.81	0.354	9.00	2	26.0
C6358	15	20	7/28	0.016	0.41	0.032	0.81	0.392	9.96	2	26.0
C2830†	2	18	16/30	0.016	0.41	0.025	0.64	0.210	5.33	Black/Red	28.0
C2831	3	18	16/30	0.016	0.41	0.032	0.81	0.236	5.99	1	28.0
C2404	4	18	16/30	0.016	0.41	0.032	0.81	0.258	6.55	1	28.0
C2420	5	18	16/30	0.016	0.41	0.032	0.81	0.280	7.11	1	28.0
C2421	7	18	16/30	0.016	0.41	0.032	0.81	0.309	7.85	1	28.0
C2422	9	18	16/30	0.016	0.41	0.032	0.81	0.358	9.09	1	28.0
C2412	12	18	16/30	0.016	0.41	0.032	0.81	0.401	10.19	2	28.0
C2423	15	18	16/30	0.016	0.41	0.032	0.81	0.445	11.30	2	28.0
C2424	19	18	16/30	0.016	0.41	0.032	0.81	0.469	11.91	2	28.0
C2433	25	18	16/30	0.016	0.41	0.032	0.81	0.549	13.94	2	28.0

* Capacitance between conductors

† CM (UL) c(UL), CSA CMG Only

Color Code Chart 1 - For cables up to and including 9 conductors

NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	6	Blue
2	White	7	Orange
3	Red	8	Yellow
4	Green	9	Violet
5	Brown		

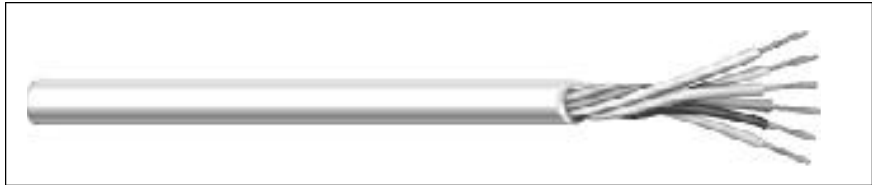
Color Code Chart 2 Per ICEA - For cables of 12 thru 25 conductors

NO. OF COND.	COLOR	NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	10	Orange/Black	19	Blue/Red
2	White	11	Blue/Black	20	Red/Green
3	Red	12	Black/White	21	Orange/Green
4	Green	13	Red/White	22	Black/White/Red
5	Orange	14	Green/White	23	White/Black/Red
6	Blue	15	Blue/White	24	Red/Black/White
7	White/Black	16	Black/Red	25	Green/Black/White
8	Red/Black	17	White/Red		
9	Green/Black	18	Orange/Red		



Multi-Conductor, Unshielded

UL 2464, UL 2587, NEC Type CL3 and CM (UL) c(UL), CSA CMG



Product Construction:

Conductor:

- 16 thru 12 AWG fully annealed stranded tinned copper per ASTM B-33

Insulation:

- Premium grade color coded PVC
- Color Code: See chart below

Jacket:

- PVC, gray
- Temperature Range: -20°C to +80°C

Applications:

- Public address systems
- Intercoms
- Internal telephones
- Remote control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 725 Type CL3 (UL: 75°C)
- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2464 (UL: 80°C, 300V)
- UL Style 2587 (UL: 90°C, 600V)
- CSA CMG (CSA: 60°C)
- Designed to Meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMG Flame Test

Packaging:

- 1000' (305 m) Spools or Reels
- 500' (152 m) Spools or Reels
- Other put-ups available—consult Customer Service

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. C-C CAP. pF/ft
				INCHES	mm	INCHES	mm	INCHES	mm	

NEC TYPE CM, UL STYLE 2464 (300 volts)

C2405	2	16	19/.0117	0.021	0.53	0.032	0.81	0.268	6.81	28.0
C2406	3	16	19/.0117	0.021	0.53	0.032	0.81	0.283	7.19	28.0
C2425	4	16	19/.0117	0.021	0.53	0.032	0.81	0.306	7.77	28.0
C2434	5	16	19/.0117	0.021	0.53	0.032	0.81	0.334	8.48	28.0
C2426	7	16	19/.0117	0.021	0.53	0.032	0.81	0.364	9.25	28.0
C2443	8	16	19/.0117	0.021	0.53	0.032	0.81	0.395	10.03	28.0
C2435	9	16	19/.0117	0.021	0.53	0.032	0.81	0.425	10.80	28.0
C2427	12	16	19/.0117	0.021	0.53	0.032	0.81	0.479	12.17	28.0
C2428	15	16	19/.0117	0.021	0.53	0.032	0.81	0.530	13.46	28.0
C2429	19	16	19/.0117	0.021	0.53	0.032	0.81	0.564	14.33	28.0
C2436	25	16	19/.0117	0.021	0.53	0.032	0.81	0.657	16.69	28.0

NEC TYPE CL3, UL STYLE 2587 (600 volts)

C2409†	2	14	19/.0147	0.032	0.81	0.032	0.81	0.326	8.51	26.0
C2430	4	14	19/.0147	0.032	0.81	0.032	0.81	0.391	9.93	26.0
C2437	5	14	19/.0147	0.032	0.81	0.032	0.81	0.428	10.87	26.0
C2431	7	14	19/.0147	0.032	0.81	0.032	0.81	0.469	11.91	26.0
C2410	2	12	19/0.0185	0.032	0.81	0.032	0.81	0.370	9.40	28.0
C2440	4	12	19/0.0185	0.032	0.81	0.032	0.81	0.434	11.02	28.0

*Capacitance between conductors

†CL3, UL2587, CSA CMH Only

Color Code Chart Per ICEA

NO. OF COND.	COLOR	NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	10	Orange/Black	19	Blue/Red
2	White	11	Blue/Black	20	Red/Green
3	Red	12	Black/White	21	Orange/Green
4	Green	13	Red/White	22	Black/White/Red
5	Orange	14	Green/White	23	White/Black/Red
6	Blue	15	Blue/White	24	Red/Black/White
7	White/Black	16	Black/Red	25	Green/Black/White
8	Red/Black	17	White/Red		
9	Green/Black	18	Orange/Red		



Multi-Conductor, Unshielded

UL 2464, NEC Type CM (UL) c(UL), CSA CMG

Product Construction:

Conductor:

- 22 thru 18 fully annealed stranded tinned copper per ASTM B-33

Insulation:

- Premium grade color coded PVC (18 AWG), S-R PVC (22 AWG)
- Color Code: See chart below

Jacket:

- PVC, gray
- Temperature Range: -20°C to +80°C

Applications:

- TV antenna rotor control
- Satellite actuator control
- Public address systems
- Suggested voltage rating: 300 volts

Features:

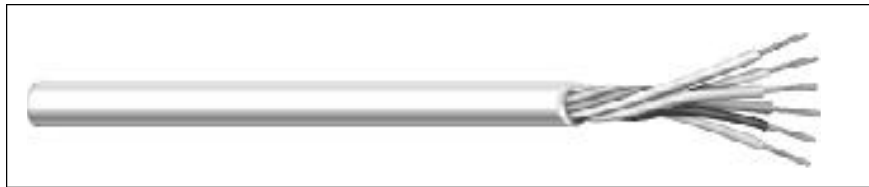
- Tinned copper conductors provide excellent corrosion resistance
- Assists with soldering applications

Compliances:

- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2464 (UL: 80°C, 300V)
- CSA CMG (CSA: 60°C)
- Designed to Meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMG Flame Test

Packaging:

- 1000' (305 m) Spools or Reels
- 500' (152 m) Spools or Reels
- Other put-ups available—consult Customer Service



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. C-C CAP.* pF/ft
				INCHES	mm	INCHES	mm	INCHES	mm	
C4081	6	4-22 2-18	7/30 16/30	0.010	0.25	0.032	0.81	0.244	6.20	25.5
				0.016	0.41					28.0
C4082	7	5-22 2-18	7/30 16/30	0.010	0.25	0.032	0.81	0.253	6.43	25.5
				0.016	0.41					28.0
C4083	8	6-22 2-18	7/30 16/30	0.010	0.25	0.032	0.81	0.263	6.69	25.5
				0.016	0.41					28.0
C4084	9	7-22 2-18	7/30 16/30	0.010	0.25	0.032	0.81	0.273	6.94	25.5
				0.016	0.41					28.0

*Capacitance between conductors

Color Code Chart

NO. OF COND.	COLOR
1 18 ga.	Black
2	White
1 22 ga.	Red
2	Green
3	Brown
4	Blue
5	Orange
6	Yellow
7	Violet



Power-Limited Tray Cable, Unshielded

NEC Type PLTC



Product Construction:

Conductor:

- 22 thru 12 AWG fully annealed stranded tinned copper per ASTM B-33

Insulation:

- Premium grade color coded PVC
- Color Code: See chart below

Jacket:

- PVC, gray
- Temperature Range: -20°C to +105°C

Applications:

- Cable tray installations
- Power limited circuits
- Intercom systems
- Business machines
- Cash registers
- Automatic valve control systems
- Irrigation systems
- Suggested voltage rating: 300 volts
- Burglar Alarms

Features:

- Sunlight resistant PVC jacket
- UL rated for cable tray use

Compliances:

- NEC Article 725 Power-Limited Tray Cable (UL: 105°C, 300V)
- Meets UL 70,000 BTU Vertical Tray Flame Test

Packaging:

- 1000' (305 m) Spools or Reels
- 500' (152 m) Spools or Reels
- Other put-ups available—consult Customer Service

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. C-C CAP. * pF/ft
				INCHES	mm	INCHES	mm	INCHES	mm	
C0431	2	22	7/30	0.013	0.33	0.037	0.94	0.190	4.83	25.5
C0432	3	22	7/30	0.013	0.33	0.037	0.94	0.198	5.03	25.5
C0433	2	20	7/28	0.013	0.33	0.037	0.94	0.206	5.23	28.0
C0434	3	20	7/28	0.013	0.33	0.037	0.94	0.216	5.49	28.0
C0435	2	18	16/30	0.013	0.33	0.037	0.94	0.226	5.74	30.0
C0436	3	18	16/30	0.013	0.33	0.037	0.94	0.237	6.02	30.0
C0444	4	18	16/30	0.013	0.33	0.037	0.94	0.257	6.53	30.0
C0437	2	16	19/.0117	0.013	0.33	0.037	0.94	0.238	6.05	34.0
C0438	3	16	19/.0117	0.013	0.33	0.037	0.94	0.250	6.35	34.0
C0439	2	14	19/.0147	0.013	0.33	0.042	1.07	0.276	7.01	37.0
C0440	3	14	19/.0147	0.013	0.33	0.042	1.07	0.290	7.37	37.0
C0441	2	12	19/.0185	0.013	0.33	0.042	1.07	0.314	7.98	40.0

*Capacitance between conductors

Color Code Chart

NO. OF COND.	COLOR
1	Black
2	Red
3	White
4	Green



Multi-Conductor, Rubber, Unshielded

Product Construction:

Conductor:

- 20 AWG fully annealed stranded tinned copper per ASTM B-33

Insulation:

- Premium grade color coded rubber
- Color Code: See chart below

Jacket:

- Rubber, black
- Temperature Range: -20°C to +60°C

Applications:

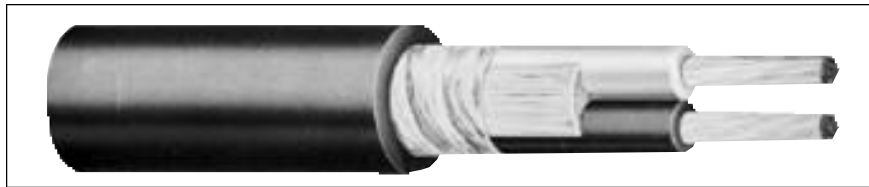
- Energy management systems
- Control circuits
- Fire alarm control
- Broadcast and studio requirements
- Suggested voltage rating: 350 volts

Features:

- Excellent impact resistance
- High level of abrasion resistance
- High flexibility
- Excellent mechanical strength
- Excellent moisture resistance

Packaging:

- 1000' (305 m) Spools or Reels
- 500' (152 m) Spools or Reels
- Other put-ups available—consult Customer Service



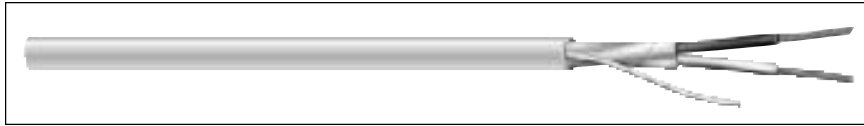
CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.	
				INCHES	mm	INCHES	mm	INCHES	mm
C3602	2	20	26/34	0.020	0.51	0.035	0.89	0.230	5.84
C3603	3	20	26/34	0.020	0.51	0.035	0.89	0.255	6.48
C3604	4	20	26/34	0.020	0.51	0.035	0.89	0.275	6.99
C3605	5	20	26/34	0.020	0.51	0.035	0.89	0.300	7.62
C3606	6	20	26/34	0.020	0.51	0.035	0.89	0.315	8.00
C3607	7	20	26/34	0.020	0.51	0.035	0.89	0.347	8.81
C3608	8	20	26/34	0.020	0.51	0.035	0.89	0.360	9.14
C3610	10	20	26/34	0.020	0.51	0.035	0.89	0.410	10.41

Color Code Chart

NO. OF COND.	COLOR
1	Black
2	White
3	Red
4	Green
5	Blue
6	Brown
7	Yellow
8	Orange
9	Gray
10	Violet

Multi-Conductor, Foil Shield

NEC Type CL2 and CM (UL) c(UL) CMH



Product Construction:

Conductor:

- 24 thru 12 AWG fully annealed solid or stranded tinned copper per ASTM B-33

Insulation:

- Premium grade color coded polyethylene
- Premium grade color coded polypropylene
- Color Code: See charts below

Shield:

- 100% Flexfoil® aluminum/polyester, 25% overlap, foil facing out
- Stranded tinned copper drain wire

Jacket:

- PVC, gray
- Temperature Range: -20°C to +75°C

Applications:

- Recording studios and sound stages
- Broadcast and sound systems
- Computers
- Industrial equipment control
- Suggested voltage rating: 300 or 600 volts

Features:

- Excellent electrical properties
- Superior shielding effectiveness
- 25% shield overlap provides excellent shielding efficiency
- Good flexibility

Compliances:

- UL Style 2092 (UL: 60°C, 300V)
- UL Style 2093 (UL: 60°C, 300V)
- UL Style 2094 (UL: 60°C, 300V)
- UL Style 2106 (UL: 60°C, 600V)
- UL Style 2107 (UL: 60°C, 600V)
- UL Style 2464 (UL: 80°C, 300V)
- NEC Article 725 Type CL2 (UL: 75°C)
- NEC Article 800 Type CM (UL: 75°C)
- Designed to Meet UL 70,000 BTU Vertical Tray Flame Test
- CSA CMH (CSA 60°C)
- Passes CSA CMH Flame Test

Packaging:

- 1000' (305 m) Spools or Reels
- 500' (152 m) Spools or Reels
- Other put-ups available - consult Customer Service

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. CAP.***	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
UL STYLE 2092, CM (UL) c(UL) CMH, 300V											
C2513	2	24	7/32	0.016	0.41	0.026	0.66	0.167	4.24	23.0	42.0
C2514	2	22	7/30	0.016	0.41	0.026	0.66	0.179	4.55	26.0	47.0
C2524	2	20	7/28	0.016	0.41	0.030	0.76	0.203	5.16	31.0	56.0
C2534	2	18	16/30	0.018	0.46	0.030	0.76	0.233	5.92	24.0	43.0

Color Code Chart #1

UL STYLE 2093, CM (UL) c(UL) CMH, 300V											
C2526	3	22	7/30	0.016	0.41	0.030	0.76	0.196	4.98	25.0	45.0
C2528	3	20	7/28	0.016	0.41	0.030	0.76	0.210	5.34	27.0	51.0
C2525	3	20	7/28	0.016	0.41	0.030	0.76	0.213	5.41	29.0	52.0
C2535	3	18	16/30	0.018	0.46	0.030	0.76	0.247	6.27	22.0	40.0

Color Code Chart #1

UL STYLE 2094, CM (UL) c(UL) CMH, 300V											
C2523	4	22	7/30	0.016	0.41	0.030	0.76	0.213	5.41	23.0	42.0
C2555	4	20	7/28	0.016	0.41	0.030	0.76	0.234	5.94	26.0	47.0

Color Code Chart #1

UL STYLE 2106, CSA, 600V											
C2536*	2	16	19/.0117	0.032	0.81	0.032	0.81	0.302	7.67	27.0	49.0
C2538**	2	14	19/.0147	0.032	0.81	0.032	0.81	0.335	8.51	31.0	56.0
C2539**	2	12	19/.0185	0.032	0.81	0.040	1.02	0.376	9.55	35.0	63.0

* CM (UL) c(UL)

**CL2

Color Code Chart #1

UL STYLE 2107, CM (UL) c(UL) CMH, 600V											
C2537	3	16	19/.0117	0.032	0.81	0.032	0.81	0.326	8.28	26.0	46.0

Color Code Chart #1

UL STYLE 2464, CL2/CM (UL) c(UL) CMH, 300V											
C2540	2	20	7/28	0.012	0.30	0.025	0.64	0.180	4.57	59.0	110.0

PVC Insulation, Color Code Chart #2

CM (UL) c(UL) CMH, 300V											
C2515	2	22	Solid	0.007	0.18	0.020	0.51	0.124	3.15	40.0	76.0
C2516	2	22	7/30	0.008	0.20	0.020	0.51	0.137	3.48	34.0	67.0
C2517	3	22	7/30	0.008	0.20	0.020	0.51	0.144	3.66	32.0	60.0

Polypropylene Insulation, Color Code Chart #2

***A - Capacitance between conductors

***B - Capacitance between one conductor and other conductors connected to shield

Color Code Chart 1

NO. OF COND.	COLOR
1	Black
2	Natural
3	Red
4	Green

Color Code Chart 2

NO. OF COND.	COLOR
1	Black
2	Red
3	Clear



CMH Certified Canadian Standard Association



Multi-Conductor, Foil Shield

UL 2464, NEC Type CM (UL) c(UL), CSA CMG

Product Construction:

- Conductor:**
- 18 AWG fully annealed stranded tinned copper per ASTM B-33

- Insulation:**
- Premium grade color coded S-R PVC
 - Color Code: See chart below

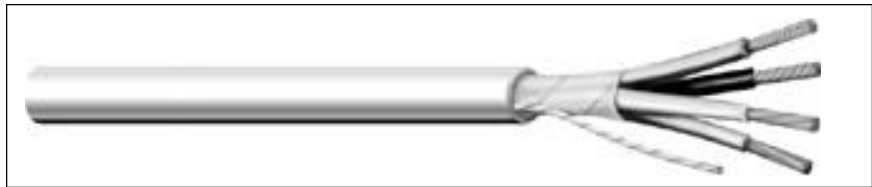
- Shield:**
- 100% Flexfoil® aluminum/polyester, 25% overlap, foil facing out
 - Stranded tinned copper drain wire

- Jacket:**
- PVC, gray
 - Temperature Range: -20°C to +80°C

- Applications:**
- Audio, broadcast, instrumentation and sound systems
 - Suggested voltage rating: 300 volts

- Compliances:**
- NEC Article 800 Type CM (UL: 75°C)
 - UL Style 2464 (UL: 80°C, 300V)
 - CSA CMG (60°C)
 - Designed to Meet UL 70,000 BTU Vertical Tray Flame Test
 - Passes CSA CMG Flame Test

- Packaging:**
- 1000' (305 m) Spools or Reels
 - 500' (152 m) Spools or Reels
 - Other put-ups available—consult Customer Service



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. CAP.* pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
C2543	4	18	19/30	0.010	0.25	0.032	0.81	0.238	6.05	50	90

*A - Capacitance between conductors

*B - Capacitance between one conductor and other conductors connected to shield

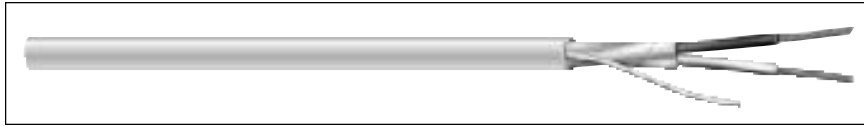
Color Code Chart

NO. OF COND.	COLOR
1	Black
2	Red
3	White
4	Green



Multi-Conductor, Foil Shield

UL 2092, NEC Type CM (UL) c(UL) CMH



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. CAP.* pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
UL STYLE 2092, CM (UL) c(UL) CMH, 300V											
C2518	2	22	7/30	0.016	0.41	0.026	0.66	0.181	4.60	20.0	36.0
C2519	2	20	7/28	0.016	0.41	0.028	0.71	0.201	5.11	22.0	40.0
C2521	2	18	16/30	0.018	0.46	0.028	0.71	0.229	5.82	24.0	44.0

Polyethylene Insulation, Color Code Chart #1

CM (UL) c(UL) CMH, 300V											
C2520	2	22	7/30	0.008	0.20	0.020	0.51	0.137	3.48	25.0	45.0

Polypropylene Insulation, Color Code Chart #2

*A - Capacitance between conductors

*B - Capacitance between one conductor and other conductors connected to shield

Color Code Chart 1

NO. OF COND.	COLOR
1	Black
2	Natural

Color Code Chart 2

NO. OF COND.	COLOR
1	Black
2	Red

Product Construction:

Conductor:

- 22 thru 18 AWG fully annealed stranded tinned copper per ASTM B-33

Insulation:

- Premium grade color coded polypropylene or polyethylene
- Color Code: See charts below

Shield:

- 100% aluminum/polyester foil "bonded" to jacket, foil facing in
- Stranded tinned copper drain wire

Jacket:

- PVC, gray
- Temperature Range: -20°C to +80°C

Applications:

- 100% shielded cable where RF shielding is required
- Control circuits
- Data and signal transmission
- Computer interconnections
- Suggested voltage rating: 300 volts

Features:

- The jacket and shield are "bonded" for ease of removal on automatic stripping equipment

Compliances:

- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2092 (UL: 60°C, 300V)
- Designed to Meet UL 70,000 BTU Vertical Tray Flame Test
- CSA CMH (CSA 60°C)
- Passes CSA CMH Flame Test

Packaging:

- 1000' (305 m) Spools or Reels
- 500' (152 m) Spools or Reels
- Other put-ups available—consult Customer Service



CMH Certified Canadian Standard Association



Power-Limited Tray Cable, Foil Shield NEC Type PLTC

Product Construction:

Conductor:

- 22 thru 12 AWG fully annealed stranded tinned copper per ASTM B-33

Insulation:

- Premium grade color coded PVC
- Color Code: See chart below

Shield:

- 100% Flexfoil® aluminum/polyester, 25% overlap foil facing out
- Stranded tinned copper drain wire

Jacket:

- PVC, gray
- Temperature Range: -20°C to +105°C

Applications:

- Cable tray installations
- Power limited circuits
- Intercom systems
- Business machines
- Cash registers
- Industrial control systems
- Petrochemical refineries
- Suggested voltage rating: 300 volts
- Burglar Alarms

Features:

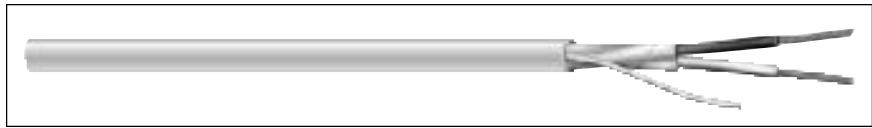
- Sunlight resistant PVC jacket
- Good weather resistance
- UL tray cable rated

Compliances:

- NEC Article 725 Power-Limited Tray Cable (UL: 105°C, 300V)
- Designed to Meet UL 70,000 BTU Vertical Tray Flame Test

Packaging:

- 1000' (305 m) Spools or Reels
- 500' (152 m) Spools or Reels
- Other put-ups available—consult Customer Service



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. CAP.* pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
C0450	2	22	7/30	0.013	0.33	0.037	0.94	0.191	4.85	40.5	72.5
C0451	3	22	7/30	0.013	0.33	0.037	0.94	0.199	5.05	38.0	68.0
C0452	2	20	7/28	0.013	0.33	0.037	0.94	0.207	5.26	45.5	81.5
C0453	3	20	7/28	0.013	0.33	0.037	0.94	0.217	5.51	43.0	77.0
C0454	2	18	16/30	0.013	0.33	0.037	0.94	0.227	5.77	50.0	90.0
C0455	3	18	16/30	0.013	0.33	0.037	0.94	0.238	6.04	47.0	84.5
C0456	2	16	19/.0117	0.013	0.33	0.037	0.94	0.243	6.17	58.5	105.0
C0457	3	16	19/.0117	0.013	0.33	0.037	0.94	0.255	6.48	51.5	93.0
C0458	2	14	19/.0147	0.013	0.33	0.042	1.07	0.288	7.32	66.0	118.5
C0459	3	14	19/.0147	0.013	0.33	0.042	1.07	0.298	7.57	57.0	103.0
C0460	2	12	19/.0185	0.013	0.33	0.042	1.07	0.315	8.00	74.0	135.5

*A - Capacitance between conductors

*B - Capacitance between one conductor and other conductors connected to shield

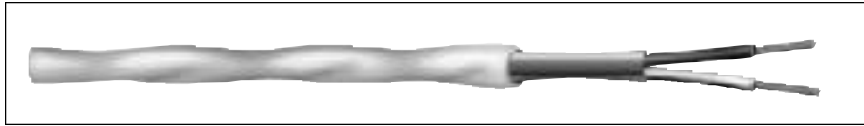
Color Code Chart

NO. OF COND.	COLOR
1	Black
2	Red
3	White



Multi-Conductor, Spiral Shield

UL 2095, NEC Type CL2 and CM (UL) c(UL), CSA CMG



Product Construction:

Conductor:

- 22 thru 16 AWG fully annealed stranded tinned copper per ASTM B-33

Insulation:

- Premium grade color coded PVC
- Color Code: See charts below

Shield:

- 85% spiral tinned copper

Jacket:

- PVC, gray
- Temperature Range: -20°C to +80°C

Applications:

- Electronic circuits where RF shielding is required
- Radio transmitters
- Sound systems
- Recording studios
- Suggested voltage rating: 300 volts

Features:

- Spiral shield allows ease of "pigtail soldering"
- Maximum flexibility

Compliances:

- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2095 (UL: 80°C, 300V)
- CSA CMG (CSA: 60°C)
- Designed to Meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMG Flame Test

Packaging:

- 1000' (305 m) Spools or Reels
- 500' (152 m) Spools or Reels
- Other put-ups available—consult Customer Service

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. CAP.* pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B

UL STYLE 2095, CM (UL) c(UL), CSA CMG, 300V

C2882	2	22	7/30	0.015	0.38	0.032	0.81	0.197	5.00	40.0	70.0
C2888	2	20	7/28	0.016	0.41	0.032	0.81	0.215	5.46	47.0	79.0

Color Code Chart #1

CL2/CM (UL) c(UL), CSA CMG, 300V

C1335	3	22	7/30	0.015	0.38	0.032	0.81	0.206	5.23	37.0	66.0
C1337	4	22	7/30	0.015	0.38	0.032	0.81	0.222	5.64	35.0	62.0
C1341	6	22	7/30	0.015	0.38	0.032	0.81	0.257	6.53	34.0	60.0
C2768	3	18	16/30	0.016	0.41	0.032	0.81	0.256	6.50	43.0	78.0

Color Code Chart #1

CM (UL) c(UL), CSA CMG, 300V

C2892	2	18	16/30	0.016	0.41	0.032	0.81	0.243	6.17	53.0	92.0
C2895	2	16	19/.0117	0.016	0.41	0.032	0.81	0.265	6.75	57.0	98.0

Color Code Chart #2

*A - Capacitance between conductors

*B - Capacitance between one conductor and other conductors connected to shield

Color Code Chart 1

NO. OF COND.	COLOR
1	Black
2	Red
3	White
4	Green
5	Yellow
6	Blue

Color Code Chart 2

CATALOG NUMBER	CONDUCTOR	COLOR
C2892	1	White
	2	Red
C2895	1	White
	2	Black



Multi-Conductor, Braid Shield

UL 2095, NEC Type CM (UL) c(UL), CSA CMG

Product Construction:

Conductor:

- 22 AWG fully annealed solid or stranded tinned copper per ASTM B-33

Insulation:

- Premium grade color coded PVC
- Color Code: See chart below

Shield:

- 88% tinned copper braid
- Stranded or solid tinned copper drain wire

Jacket:

- PVC, black
- Temperature Range: -20°C to +80°C

Applications:

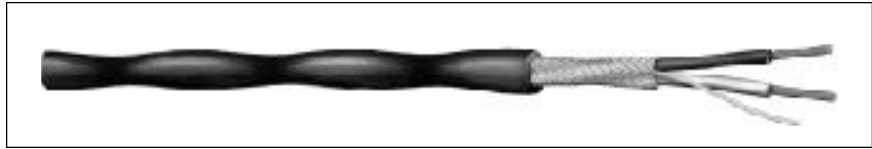
- Electronic circuits where RF shielding is required
- Radio transmitters
- Sound systems
- Recording studios
- Good flexibility
- Excellent shielding for noise reduction
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2095 (UL: 80°C, 300V)
- Designed to Meet UL 70,000 BTU Vertical Tray Flame Test
- CSA CMG (CSA: 60°C)
- Passes CSA CMG Flame Test

Packaging:

- 1000' (305 m) Spools
- 500' (152 m) Spools
- Other put-ups available—consult Customer Service



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. CAP.* pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
C2676	2	22	Solid	0.015	0.38	0.032	0.81	0.209	5.31	48.0	85.0
C2677	2	22	7/30	0.015	0.38	0.032	0.81	0.211	5.36	49.0	86.0

*A - Capacitance between conductors

*B - Capacitance between one conductor and other conductors connected to shield

Color Code Chart

NO. OF COND.	COLOR
1	Black
2	Red

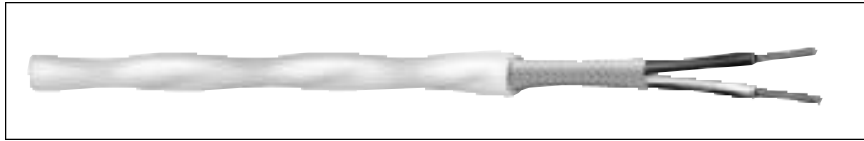


CMG Certified
Canadian Standard Association



Multi-Conductor, Braid Shield

UL 2095, NEC Type CM (UL) c(UL), CSA CMG



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. CAP.* pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
C2679	2	22	7/30	0.015	0.38	0.032	0.81	0.212	5.38	41.0	73.0
C2678	3	22	7/30	0.015	0.38	0.032	0.81	0.221	5.61	37.0	67.0
C2680	4	22	7/30	0.015	0.38	0.032	0.81	0.237	6.02	37.0	67.0
C2681	2	20	7/28	0.016	0.41	0.032	0.81	0.230	5.84	42.0	76.0
C1332	3	20	7/28	0.016	0.41	0.032	0.81	0.240	6.10	42.0	76.0
C2683	4	20	7/28	0.016	0.41	0.032	0.81	0.259	6.58	39.0	70.0
C2686	2	18	16/30	0.016	0.41	0.032	0.81	0.252	6.40	47.0	85.0
C2687	3	18	16/30	0.016	0.41	0.032	0.81	0.264	6.71	43.0	78.0
C2688	4	18	16/30	0.016	0.41	0.032	0.81	0.286	7.26	43.0	78.0

*A - Capacitance between conductors

*B - Capacitance between one conductor and other conductors connected to shield

Color Code Chart

NO. OF COND.	COLOR
1	Black
2	Red
3	White
4	Green

Product Construction:

Conductor:

- 22 thru 18 AWG fully annealed stranded tinned copper per ASTM B-33

Insulation:

- Premium grade color coded PVC
- Color Code: See chart below

Shield:

- 75% tinned copper braid

Jacket:

- PVC, gray
- Temperature Range: -20°C to +80°C

Applications:

- Electronic circuits where RF shielding is required
- Radio transmitters
- Sound systems
- Recording studios
- Provides good flexibility
- Excellent shielding for noise reduction
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2095 (UL: 80°C, 300V)
- Designed to Meet UL 70,000 BTU Vertical Tray Flame Test
- CSA CMG (CSA: 60°C)
- Passes CSA CMG Flame Test

Packaging:

- 1000' (305 m) Spools
- 500' (152 m) Spools
- Other put-ups available—consult Customer Service



CMG Certified
Canadian Standard Association



Multi-Conductor, Braid Shield MIL-W-16878 Type B

Product Construction:

Conductor:

- 28 AWG fully annealed stranded tinned copper per ASTM B-33

Insulation:

- Premium grade color coded S-R PVC per MIL-W-16878 Type B
- Color Code: See chart below

Shield:

- 90% tinned copper braid

Jacket:

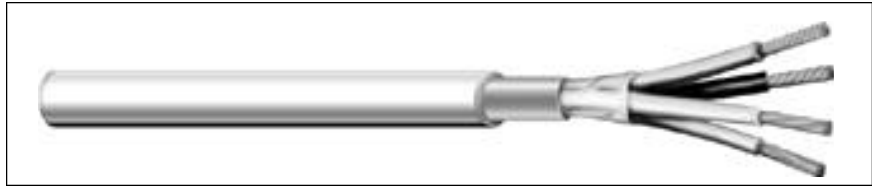
- PVC, gray
- Temperature Range: -50°C to +105°C

Applications:

- Electronic circuits where RF shielding is required
- Remote control for studio equipment
- Sound systems
- Provides good flexibility
- Excellent shielding for noise reduction
- Suggested voltage rating: 600 volts
- Non QPL

Packaging:

- 1000' (305 m) Spools or Reels
- 500' (152 m) Spools or Reels
- Other put-ups available—consult Customer Service



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. CAP.* pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
C6500	2	28	7/36	0.011	0.28	0.016	0.41	0.130	3.30	30.0	54.0
C6501	3	28	7/36	0.011	0.28	0.016	0.41	0.135	3.43	30.0	54.0
C6502	4	28	7/36	0.011	0.28	0.016	0.41	0.145	3.68	30.0	54.0
C6503	6	28	7/36	0.011	0.28	0.019	0.48	0.172	4.37	30.0	54.0
C6504	8	28	7/36	0.011	0.28	0.021	0.53	0.187	4.75	22.0	40.0
C6505	10	28	7/36	0.011	0.28	0.021	0.53	0.212	5.38	22.0	40.0
C6506	12	28	7/36	0.011	0.28	0.021	0.53	0.217	5.51	22.0	40.0
C6507	15	28	7/36	0.011	0.28	0.021	0.53	0.237	6.02	22.0	40.0
C6508	20	28	7/36	0.011	0.28	0.021	0.53	0.289	7.34	22.0	40.0

*A - Capacitance between conductors

*B - Capacitance between one conductor and other conductors connected to shield

Color Code Chart

NO. OF COND.	COLOR	NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	8	Red/Black	15	Blue/White
2	White	9	Green/Black	16	Black/Red
3	Red	10	Orange/Black	17	White/Red
4	Green	11	Blue/Black	18	Orange/Red
5	Orange	12	Black/White	19	Blue/Red
6	Blue	13	Red/White	20	Red/Green
7	White/Black	14	Green/White		

Multi-Conductor, Braid Shield

UL 2092, 2093, 2094



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. CAP.* pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
C1642	2	20	26/34	0.015	0.38	0.029	0.74	0.226	5.74	24.0	44.0
C1643	3	20	26/34	0.015	0.38	0.029	0.74	0.236	5.99	22.0	40.0
C1644	4	20	26/34	0.015	0.38	0.029	0.74	0.255	6.48	22.0	40.0
C1645	5	20	26/34	0.015	0.38	0.029	0.74	0.274	6.96	22.0	40.0
C1646	6	20	26/34	0.015	0.38	0.029	0.74	0.294	7.48	21.0	37.0

*A - Capacitance between conductors

*B - Capacitance between one conductor and other conductors connected to shield

Color Code Chart

NO. OF COND.	COLOR
1	Black
2	White
3	Red
4	Green
5	Yellow
6	Blue

UL Style Chart

STYLE	CATALOG NUMBER
2092	C1642
2093	C1643
2094	C1644
2094	C1645
2094	C1646

Product Construction:

Conductor:

- 20 AWG fully annealed stranded tinned copper per ASTM B-33

Insulation:

- Premium grade color coded polyethylene
- Color Code: See chart below

Shield:

- 80% tinned copper braid

Jacket:

- PVC, gray
- Temperature Range: -20°C to +80°C

Applications:

- Electronic circuits where RF shielding is required
- Video interconnect
- Broadcast and Studio
- Sound systems
- Suggested voltage rating: 300 volts

Features:

- Low capacitance
- Lightweight
- Excellent shielding for noise reduction

Compliances:

- UL Style 2092 (UL: 80°C, 300V)
- UL Style 2093 (UL: 80°C, 300V)
- UL Style 2094 (UL: 80°C, 300V)
- Designed to Meet UL VW-1 Vertical Wire Flame Test

Packaging:

- 1000' (305 m) Spools or Reels
- 500' (152 m) Spools or Reels
- Other put-ups available—consult Customer Service

Multi-Conductor, Foil/Braid Shield

UL 2094, NEC Type CL2

Product Construction:

Conductor:

- 20 AWG fully annealed stranded tinned copper per ASTM B-33

Insulation:

- Premium grade color coded polyethylene
- Color Code: See chart below

Shield:

- 100% Flexfoil® aluminum/polyester, 25% overlap, foil facing out
- 80% tinned copper braid

Jacket:

- PVC, gray
- Temperature Range: -20°C to +60°C

Applications:

- Electronic circuits where RF shielding is required
- Video interconnect
- Broadcast and Studio
- Sound systems
- Suggested voltage rating: 300 volts

Features:

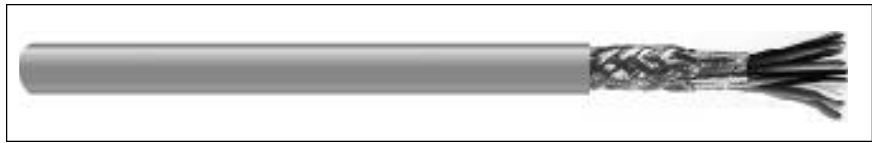
- Low capacitance
- Lightweight
- Excellent shielding for noise reduction

Compliances:

- NEC Article 725 Type CL2 (UL: 75°C)
- UL Style 2094 (UL: 60°C, 300V)
- Designed to Meet UL 70,000 BTU Vertical Tray Flame Test

Packaging:

- 1000' (305 m) Spools
- 500' (152 m) Spools
- Other put-ups available—consult Customer Service



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. CAP.* pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
C1648	8	20	26/34	0.015	0.38	0.029	0.74	0.316	8.03	21.0	37.0

*A - Capacitance between conductors

*B - Capacitance between one conductor and other conductors connected to shield

Color Code Chart

NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	5	Yellow
2	White	6	Blue
3	Red	7	Brown
4	Green	8	Orange



Multi-Conductor, Rubber, Braid Shield



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.	
				INCHES	mm	INCHES	mm	INCHES	mm
C1302	2	20	26/34	0.020	0.51	0.035	0.89	0.270	6.86
C1304	3	20	26/34	0.020	0.51	0.035	0.89	0.285	7.24
C1305	4	20	26/34	0.020	0.51	0.035	0.89	0.305	7.75
C1308	5	20	26/34	0.020	0.51	0.035	0.89	0.330	8.38
C1310	6	20	26/34	0.020	0.51	0.035	0.89	0.345	8.76
C1312	7	20	26/34	0.020	0.51	0.035	0.89	0.360	9.14
C1313	8	20	26/34	0.020	0.51	0.035	0.89	0.385	9.78

Color Code Chart

NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	5	Blue
2	White	6	Brown
3	Red	7	Yellow
4	Green	8	Orange

Product Construction:

Conductor:

- 20 AWG fully annealed stranded tinned copper per ASTM B-33

Insulation:

- Premium grade color coded rubber
- Color Code: See chart below

Shield:

- 80% tinned copper braid

Jacket:

- Rubber, black
- Temperature Range: -20°C to +60°C

Applications:

- Control circuits
- Broadcast and studio applications
- Audio interconnects
- Suggested voltage rating: 300 volts

Features:

- Impact and abrasion resistant
- Stranded conductors for superior flexibility

Packaging:

- 1000' (305 m) Spools or Reels
- 500' (152 m) Spools or Reels
- Other put-ups available—consult Customer Service

Multi-Conductor, Carolprene[®], Braid Shield

Product Construction:

Conductor:

- 18 thru 14 AWG fully annealed stranded tinned copper per ASTM B-33

Insulation:

- Premium grade color coded rubber
- Color Code: See chart below

Shield:

- 80% tinned copper braid

Jacket:

- Carolprene[®], black
- Temperature Range: -20°C to +60°C

Applications:

- Control circuits
- Broadcast and studio applications
- Audio interconnects
- Suggested voltage rating: 300 volts

Features:

- Impact and abrasion resistant
- Stranded conductors for superior flexibility
- Designed to Meet UL VW-1 Vertical Wire Flame Test

Packaging:

- 1000' (305 m) Spools or Reels
- 500' (152 m) Spools or Reels
- Other put-ups available—consult Customer Service



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.	
				INCHES	mm	INCHES	mm	INCHES	mm
C1202	2	18	41/34	0.020	0.51	0.035	0.89	0.295	7.49
C1203	3	18	41/34	0.020	0.51	0.035	0.89	0.305	7.75
C1204	4	18	41/34	0.020	0.51	0.035	0.89	0.330	8.38
C1206	6	18	41/34	0.020	0.51	0.035	0.89	0.370	9.39
C1208	8	18	41/34	0.020	0.51	0.035	0.89	0.425	10.80
C1210	10	18	41/34	0.020	0.51	0.035	0.89	0.425	10.80
C1212	12	18	41/34	0.020	0.51	0.065	1.65	0.555	14.10
C1602	2	16	65/34	0.025	0.64	0.035	0.89	0.335	8.51
C1603	3	16	65/34	0.025	0.64	0.035	0.89	0.355	9.02
C1604	4	16	65/34	0.025	0.64	0.035	0.89	0.385	9.78
C1606	6	16	65/34	0.025	0.64	0.040	1.02	0.445	11.30
C1608	8	16	65/34	0.025	0.64	0.040	1.02	0.510	12.95
C1612	2	14	41/30	0.030	0.76	0.040	1.02	0.395	10.03
C1614	4	14	41/30	0.030	0.76	0.040	1.02	0.475	12.06

Color Code Chart

NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	7	Yellow
2	White	8	Orange
3	Red	9	Gray
4	Green	10	Violet
5	Blue	11	White/Black
6	Brown	12	White/Red