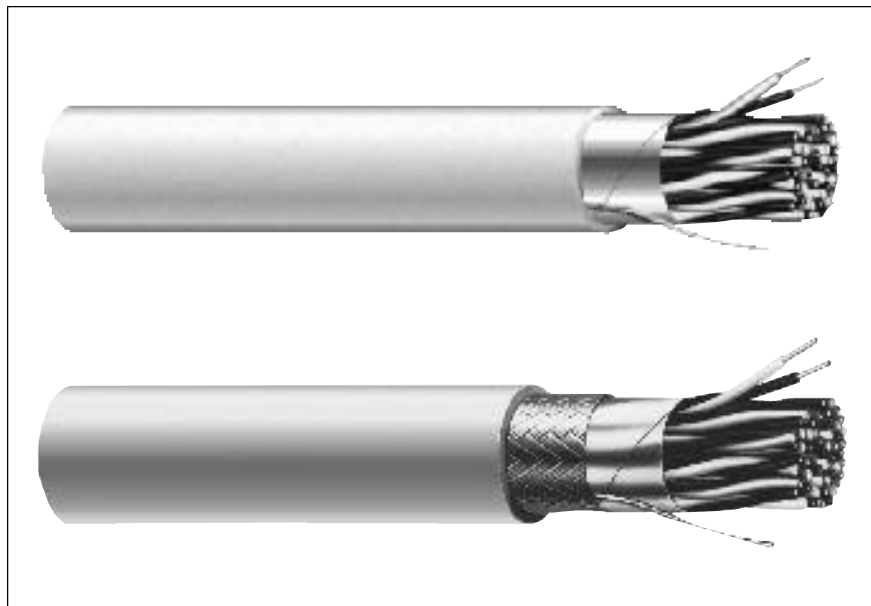


# Computer Cable

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BICCGeneral manufactures a comprehensive line of computer cables.

This complete line of paired and unpaired, shielded computer cables, which are UL and CSA listed, are used primarily for the internal or external interconnection of electronic equipment and computers. Applications include data transmission, CAD/CAM, telemetry, data displays, computer print-out, credit verification systems and similar applications.

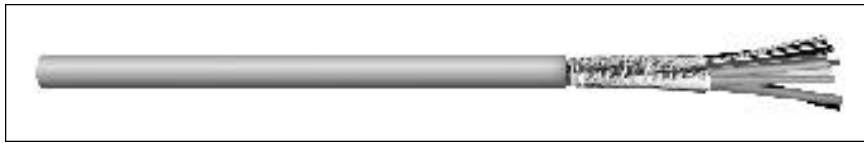
BICCGeneral also offers a variety of put-ups for computer cables to meet your individual requirements.

Our products are manufactured to meet the latest UL, CSA and NEC requirements and approvals.



# Multi-Conductor, Foil Shield

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

**Shield:**

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

**Jacket:**

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

**Applications:**

- Computer interconnections
- Data transmission
- Control circuits
- Industrial equipment control
- 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.		NOMINAL DCR /kft @ 20°C		NOMINAL CAP.* pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	COND.	SHLD.	A	B

**Color Code Chart 1**

C0740	2	24	7/32	0.010	0.25	0.032	0.81	0.157	3.99	26.0	18.0	33.0	59.4
C0741	3	24	7/32	0.010	0.25	0.032	0.81	0.164	4.17	26.0	18.0	33.0	59.4
C0742	4	24	7/32	0.010	0.25	0.032	0.81	0.175	4.45	26.0	18.0	33.0	59.4
C0753	5	24	7/32	0.010	0.25	0.032	0.81	0.188	4.78	26.0	16.0	33.0	59.4
C0743	6	24	7/32	0.010	0.25	0.032	0.81	0.201	5.11	26.0	16.0	33.0	59.4
C0754	7	24	7/32	0.010	0.25	0.032	0.81	0.210	5.11	26.0	16.0	33.0	59.4
C0744	8	24	7/32	0.010	0.25	0.032	0.81	0.215	5.46	26.0	16.0	33.0	59.4
C0755	9	24	7/32	0.010	0.25	0.032	0.81	0.228	5.79	26.0	16.0	30.0	59.4
C0745	10	24	7/32	0.010	0.25	0.032	0.81	0.245	6.22	26.0	14.0	30.0	59.4

**Color Code Chart 2**

C0746	15	24	7/32	0.010	0.25	0.032	0.81	0.276	7.01	26.0	14.0	30.0	59.4
C0747	20	24	7/32	0.010	0.25	0.032	0.81	0.303	7.70	26.0	14.0	30.0	59.4
C0748	25	24	7/32	0.010	0.25	0.032	0.81	0.333	8.46	26.0	12.0	30.0	59.4
C0749	30	24	7/32	0.010	0.25	0.032	0.81	0.351	8.92	26.0	12.0	30.0	59.4
C0750	40	24	7/32	0.010	0.25	0.032	0.81	0.391	9.93	26.0	12.0	30.0	59.4
C0751	50	24	7/32	0.010	0.25	0.032	0.81	0.439	11.15	26.0	10.0	30.0	59.4

\*A - Capacitance between conductors

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

**Color Code Chart 1 - For cables up to and including 10 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	10	Gray

**Color Code Chart 2 Per ICEA - For cables of 15 to 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, Foil Shield

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

**Product Construction:**

**Conductor:**

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

**Insulation:**

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

**Shield:**

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

**Jacket:**

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

**Applications:**

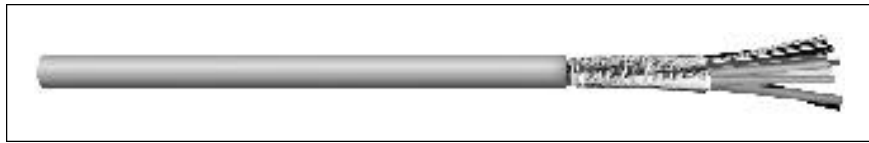
- Computer interconnections
- Data transmission
- Control circuits
- Industrial equipment control
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 volts

**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.		NOMINAL DCR /kft @ 20°C		NOMINAL CAP.* pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	COND.	SHLD.	A	B

**S-R PVC**

<b>C0760</b>	2	22	7/30	0.010	0.25	0.032	0.81	0.169	4.29	15.0	13.0	36.0	65.0
<b>C0761</b>	3	22	7/30	0.010	0.25	0.032	0.81	0.177	4.50	15.0	13.0	36.0	65.0
<b>C0762</b>	4	22	7/30	0.010	0.25	0.032	0.81	0.190	4.83	15.0	12.0	36.0	65.0
<b>C0763</b>	6	22	7/30	0.010	0.25	0.032	0.81	0.219	5.56	15.0	12.0	34.0	61.0
<b>C0764</b>	8	22	7/30	0.010	0.25	0.032	0.81	0.235	5.97	15.0	10.7	34.0	61.0
<b>C0765</b>	10	22	7/30	0.010	0.25	0.032	0.81	0.269	6.83	15.0	10.7	34.0	61.0
<b>C0766</b>	15	22	7/30	0.010	0.25	0.032	0.81	0.304	7.72	15.0	10.7	34.0	61.0
<b>C0767</b>	20	22	7/30	0.010	0.25	0.032	0.81	0.335	8.51	15.0	9.1	34.0	61.0
<b>C0768</b>	25	22	7/30	0.010	0.25	0.032	0.81	0.369	9.37	15.0	9.1	34.0	61.0

**PVC**

<b>C0780</b>	2	20	7/28	0.015	0.38	0.032	0.81	0.207	5.26	11.0	12.0	39.0	70.0
<b>C0781</b>	3	20	7/28	0.015	0.38	0.032	0.81	0.217	5.51	11.0	12.0	39.0	70.0
<b>C0782</b>	4	20	7/28	0.015	0.38	0.032	0.81	0.236	5.99	11.0	9.1	39.0	70.0
<b>C0783</b>	6	20	7/28	0.015	0.38	0.032	0.81	0.276	7.01	11.0	9.1	37.0	66.0
<b>C0784</b>	8	20	7/28	0.015	0.38	0.032	0.81	0.297	7.54	11.0	9.1	37.0	66.0
<b>C0785</b>	10	20	7/28	0.015	0.38	0.032	0.81	0.345	8.76	11.0	7.9	37.0	66.0
<b>C0786</b>	15	20	7/28	0.015	0.38	0.032	0.81	0.393	9.98	11.0	7.9	37.0	66.0
<b>C0787</b>	20	20	7/28	0.015	0.38	0.032	0.81	0.435	11.05	11.0	7.1	37.0	66.0

\*A - Capacitance between conductors

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

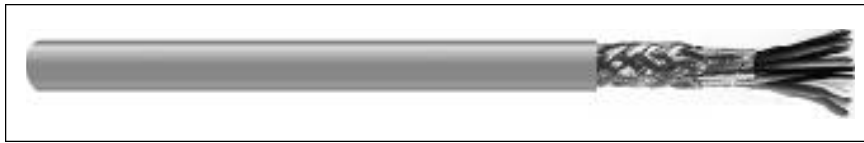
**Color Code Chart Per ICEA**

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, Foil/Braid Shield

UL 2464, NEC Type CL2 or CM (UL) c(UL), CSA CMG



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR /kft @ 20°C		NOMINAL CAP.** pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	COND.	SHLD.	A	B
C0939*	3	28	7/36	0.010	0.25	0.032	0.81	0.166	4.22	64.9	14.2	22.0	39.6
C0940*	4	28	7/36	0.010	0.25	0.032	0.81	0.176	4.47	64.9	9.4	22.0	39.6
C0941*	5	28	7/36	0.010	0.25	0.032	0.81	0.186	4.72	64.9	9.4	22.0	39.6
C0942*	6	28	7/36	0.010	0.25	0.032	0.81	0.196	4.98	64.9	10.2	22.0	39.6
C0943*	7	28	7/36	0.010	0.25	0.032	0.81	0.196	4.98	64.9	10.2	22.0	39.6
C0944*	8	28	7/36	0.010	0.25	0.032	0.81	0.207	5.26	64.9	10.4	22.0	39.6
C0945*	9	28	7/36	0.010	0.25	0.032	0.81	0.217	5.51	64.9	6.3	20.0	36.0
C0946*	10	28	7/36	0.010	0.25	0.032	0.81	0.231	5.87	64.9	7.0	20.0	36.0
C0947	15	28	7/36	0.010	0.25	0.032	0.81	0.256	6.50	64.9	10.2	20.0	36.0
C0948	25	28	7/36	0.010	0.25	0.032	0.81	0.301	7.65	64.9	4.5	20.0	36.0
C0951	3	24	7/32	0.010	0.25	0.032	0.81	0.186	4.72	26.0	8.6	35.0	63.0
C0952	4	24	7/32	0.010	0.25	0.032	0.81	0.197	5.00	26.0	9.8	35.0	63.0
C0953	5	24	7/32	0.010	0.25	0.032	0.81	0.210	5.33	26.0	6.5	35.0	63.0
C0954	6	24	7/32	0.010	0.25	0.032	0.81	0.223	5.66	26.0	7.0	30.0	54.0
C0955	7	24	7/32	0.010	0.25	0.032	0.81	0.223	5.66	26.0	7.1	30.0	54.0
C0956	8	24	7/32	0.010	0.25	0.032	0.81	0.237	6.02	26.0	7.3	30.0	54.0
C0957	9	24	7/32	0.010	0.25	0.032	0.81	0.250	6.35	26.0	7.5	30.0	54.0
C0958	10	24	7/32	0.010	0.25	0.032	0.81	0.267	6.78	26.0	6.9	30.0	54.0
C0959	15	24	7/32	0.010	0.25	0.032	0.81	0.298	7.57	26.0	6.0	30.0	54.0
C0960	20	24	7/32	0.010	0.25	0.032	0.81	0.325	8.26	26.0	5.8	30.0	54.0
C0961	25	24	7/32	0.010	0.25	0.032	0.81	0.355	9.02	26.0	5.1	30.0	54.0

\*A - Capacitance between conductors

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

\* Color Code Chart 1. Remaining items Color Code Chart 2

### Color Code Chart 1

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	10	Gray

### Color Code Chart 2 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		

### Product Construction:

#### Conductor:

- 28 and 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

#### Shield:

- 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out
- Stranded tinned copper drain wire (28 AWG only)
- 65% tinned copper braid

#### Jacket:

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

### Applications:

- Computers
- Industrial equipment
- Data transmission
- Control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 volts

### Features:

- Braid shield provides good flexibility
- Superior shielding where noise rejection is critical
- Assists system designers in meeting FCC Docket 20780 demands

### Compliances:

- NEC Article 725 Type CL2 - 28 AWG (UL: 75°C)
- NEC Article 800 Type CM - 24 AWG (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



# Multi-Conductor, Foil/Braid Shield

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 chart below

**Shield:**

- 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out
- 65% tinned copper braid

**Jacket:**

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

**Applications:**

- Computers
- Industrial equipment
- Data transmission
- Control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 volts

**Features:**

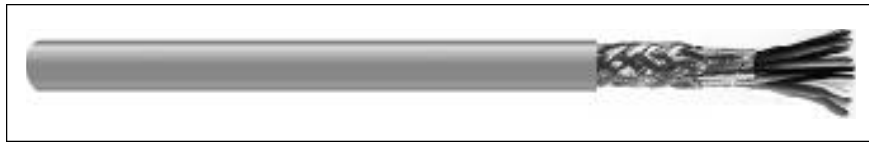
- Braid shield provides good flexibility
- Superior shielding where noise rejection is critical
- Assists system designers in meeting FCC Docket 20780 demands

**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.		NOMINAL DCR /kft @ 20°C		NOMINAL CAP.* pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	COND.	SHLD.	A	B
C0971	3	22	7/30	0.010	0.25	0.032	0.81	0.199	5.05	15.0	6.2	37.0	67.0
C0972	4	22	7/30	0.010	0.25	0.032	0.81	0.212	5.38	15.0	5.0	37.0	67.0
C0973	5	22	7/30	0.010	0.25	0.032	0.81	0.226	5.74	15.0	7.1	37.0	67.0
C0974	6	22	7/30	0.010	0.25	0.032	0.81	0.241	6.12	15.0	7.9	35.0	63.0
C0975	7	22	7/30	0.010	0.25	0.032	0.81	0.241	6.12	15.0	7.9	35.0	63.0
C0976	8	22	7/30	0.010	0.25	0.032	0.81	0.257	6.53	15.0	5.1	35.0	63.0
C0977	9	22	7/30	0.010	0.25	0.032	0.81	0.272	6.91	15.0	5.1	35.0	63.0
C0978	10	22	7/30	0.010	0.25	0.032	0.81	0.291	7.39	15.0	4.9	35.0	63.0
C0979	15	22	7/30	0.010	0.25	0.032	0.81	0.326	8.28	15.0	4.1	35.0	63.0
C0980	20	22	7/30	0.010	0.25	0.032	0.81	0.357	9.07	15.0	3.7	35.0	63.0
C0981	25	22	7/30	0.010	0.25	0.032	0.81	0.391	9.93	15.0	3.1	35.0	63.0

\*A - Capacitance between conductors

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

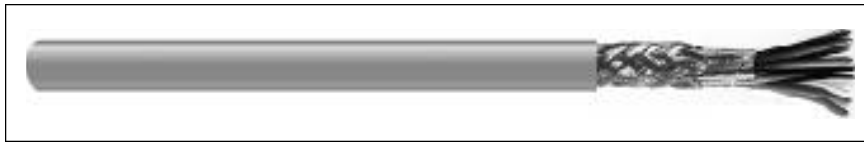
**Color Code Chart Per ICEA**

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, Foil/Braid Shield, Lo-Cap®

UL 2919, NEC Type CL2 or CM (UL) c(UL) CMH, CSA CMH



**Product Construction:**

**Conductor:**

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

**Insulation:**

- Premium grade foamed Lo-Cap® color coded polypropylene
- Color Code: See chart below

**Shield:**

- 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out
- Stranded tinned copper drain wire
- 70% tinned copper braid

**Jacket:**

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

**Applications:**

- High speed computers
- Industrial equipment
- Control circuits
- Designed for low capacitance applications
- Suitable for EIA RS-232 and RS-423 CAD/CAM applications
- Suggested voltage rating: 30 volts

**Features:**

- Braid shield provides good flexibility
- Superior shielding where noise rejection is critical
- Assists system designers in meeting FCC Docket 20780 demands

**Compliances:**

- NEC Article 725 Type CL2 (28 AWG) (UL: 75°C)
- NEC Article 800 Type CM (24 AWG) (UL: 75°C)
- UL Style 2919 (UL: 80°C, 30V)
- CSA CMH (CSA: 60°C)
- Designed to Meet UL 70,000 BTU Vertical Tray Flame Test
- 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.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR /ft		NOMINAL CAP.* pF/ft	
		INCHES	mm	INCHES	mm	INCHES	mm	COND.	SHLD.	A	B
<b>28 AWG (7/36): CL2, CSA CMH</b>											
C0530	3	0.016	0.41	0.032	0.81	0.192	4.88	64.9	7.8	11.0	20.0
C0531	4	0.016	0.41	0.032	0.81	0.205	5.21	64.9	5.9	11.0	20.0
C0532	5	0.016	0.41	0.032	0.81	0.218	5.54	64.9	5.9	11.0	20.0
C0533	6	0.016	0.41	0.032	0.81	0.232	5.89	64.9	6.2	11.0	20.0
C0534	7	0.016	0.41	0.032	0.81	0.232	5.89	64.9	6.2	11.0	20.0
C0535	8	0.016	0.41	0.032	0.81	0.247	6.27	64.9	4.8	11.0	20.0
C0536	9	0.016	0.41	0.032	0.81	0.261	6.63	64.9	4.9	11.0	20.0
C0537	10	0.016	0.41	0.032	0.81	0.279	7.09	64.9	5.2	11.0	20.0
C0538	15	0.016	0.41	0.032	0.81	0.312	7.92	64.9	4.2	11.0	20.0
C0539	25	0.016	0.41	0.032	0.81	0.373	9.47	64.9	4.0	11.0	20.0

<b>24 AWG (7/32): CM (UL) c(UL) CMH</b>											
C0680	3	0.016	0.41	0.032	0.81	0.211	5.36	26.0	5.2	12.5	22.0
C0681	4	0.016	0.41	0.032	0.81	0.227	5.77	26.0	5.3	12.5	22.0
C0682	5	0.016	0.41	0.032	0.81	0.242	6.15	26.0	4.2	12.5	22.0
C0683	6	0.016	0.41	0.032	0.81	0.259	6.58	26.0	4.4	12.5	22.0
C0684	7	0.016	0.41	0.032	0.81	0.259	6.58	26.0	4.4	12.5	22.0
C0685	8	0.016	0.41	0.032	0.81	0.276	7.01	26.0	4.4	12.5	22.0
C0686	9	0.016	0.41	0.032	0.81	0.293	7.44	26.0	3.9	12.5	22.0
C0687	10	0.016	0.41	0.032	0.81	0.315	8.00	26.0	3.2	12.5	22.0
C0688	15	0.016	0.41	0.032	0.81	0.354	8.99	26.0	3.6	12.5	22.0

\*A - Capacitance between conductors  
 \*B - Capacitance between one conductor and other conductors connected to shield  
 Vp = 78%  
 Impedance: 120 (28 AWG); 100 (24 AWG)

**Color Code Chart 1** For cables up to and including 10 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	10	Gray

**Color Code Chart 2 Per ICEA** For cables of 15 to 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-Paired, Foil Shield

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

**Product Construction:**

**Conductor:**

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

**Insulation:**

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

**Shield:**

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

**Jacket:**

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

**Applications:**

- Computers
- Industrial equipment
- Data transmission
- Control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 volts

**Features:**

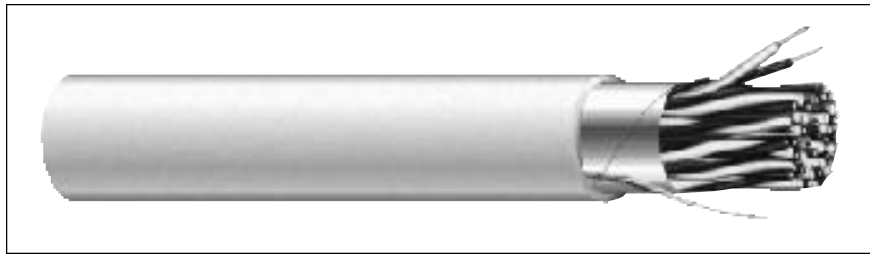
- Braid shield provides good flexibility
- Superior shielding where noise rejection is critical
- Assists system designers in meeting FCC Docket 20780 demands

**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 PAIRS	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR /kft		NOMINAL CAP.* pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	COND.	SHLD.	A	B
C0600	1	24	7/32	0.010	0.25	0.032	0.81	0.157	3.99	26.0	18.0	40.0	74.0
C0601	2	24	7/32	0.010	0.25	0.032	0.81	0.214	5.44	26.0	18.0	30.0	50.0
C0602	3	24	7/32	0.010	0.25	0.032	0.81	0.225	5.72	26.0	16.5	30.0	50.0
C0603	4	24	7/32	0.010	0.25	0.032	0.81	0.245	6.23	26.0	16.5	30.0	50.0
C0604	5	24	7/32	0.010	0.25	0.032	0.81	0.265	6.73	26.0	16.5	30.0	50.0
C0605	6	24	7/32	0.010	0.25	0.032	0.81	0.287	7.29	26.0	15.2	30.0	50.0
C0606	7	24	7/32	0.010	0.25	0.032	0.81	0.287	7.29	26.0	15.2	30.0	50.0
C0607	8	24	7/32	0.010	0.25	0.032	0.81	0.309	7.85	26.0	15.0	30.0	50.0
C0608	9	24	7/32	0.010	0.25	0.032	0.81	0.331	8.41	26.0	15.0	30.0	50.0
C0609	10	24	7/32	0.010	0.25	0.032	0.81	0.359	9.12	26.0	14.0	30.0	50.0
C0610	15	24	7/32	0.010	0.25	0.032	0.81	0.410	10.41	26.0	13.8	30.0	50.0
C0611	19	24	7/32	0.010	0.25	0.032	0.81	0.432	10.97	26.0	13.5	30.0	50.0
C0612	25	24	7/32	0.010	0.25	0.032	0.81	0.505	12.84	26.0	12.7	30.0	50.0

\*A - Capacitance between conductors

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

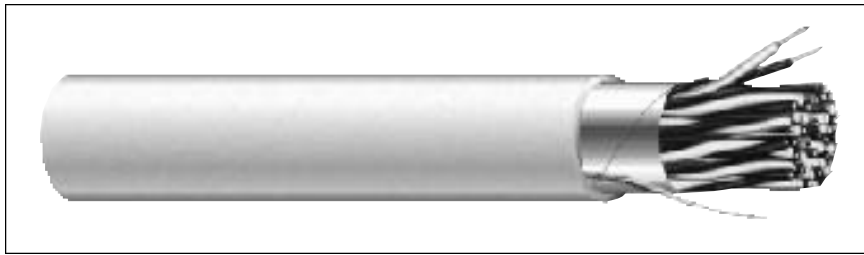
**Color Code Chart**

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



# Multi-Paired, Foil Shield

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



### Product Construction:

#### Conductor:

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

#### Insulation:

- Premium grade color coded S-R PVC per UL 1061
- Color code: See chart below

#### Shield:

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

#### Jacket:

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

### Applications:

- Computers
- Industrial equipment
- Data transmission
- Control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 volts

### Features:

- Braid shield provides good flexibility
- Superior shielding where noise rejection is critical
- Assists system designers in meeting FCC Docket 20780 demands

### 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 PAIRS	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR /kft		NOMINAL CAP.* pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	COND.	SHLD.	A	B
C0720	1	22	7/30	0.010	0.25	0.032	0.81	0.169	4.29	15.0	18.0	40.0	74.0
C0721	2	22	7/30	0.010	0.25	0.032	0.81	0.234	5.94	15.0	16.5	40.0	74.0
C0722	3	22	7/30	0.010	0.25	0.032	0.81	0.246	6.25	15.0	16.5	35.0	63.0
C0723	4	22	7/30	0.010	0.25	0.032	0.81	0.269	6.83	15.0	16.5	35.0	63.0
C0724	5	22	7/30	0.010	0.25	0.032	0.81	0.292	7.42	15.0	16.5	35.0	63.0
C0725	6	22	7/30	0.010	0.25	0.032	0.81	0.317	8.05	15.0	15.2	35.0	63.0
C0726	9	22	7/30	0.010	0.25	0.032	0.81	0.367	9.32	15.0	14.0	35.0	63.0
C0728	15	22	7/30	0.010	0.25	0.032	0.81	0.457	11.62	15.0	13.8	35.0	63.0

\*A - Capacitance between conductors

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

### Color Code Chart

NO. OF PAIRS	COLOR	NO. OF PAIRS	COLOR
1	Black with Red	9	Red with Green
2	Black with White	10	Red with Blue
3	Black with Green	11	Red with Yellow
4	Black with Blue	12	Red with Brown
5	Black with Yellow	13	Red with Orange
6	Black with Brown	14	Green with White
7	Black with Orange	15	Green with Blue
8	Red with White		





# Multi-Paired, Foil Shield, Lo-Cap®

UL 2448, NEC Type CM (UL) c(UL) CMH

**Product Construction:**

**Conductor:**

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

**Insulation:**

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

**Shield:**

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

**Jacket:**

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

**Applications:**

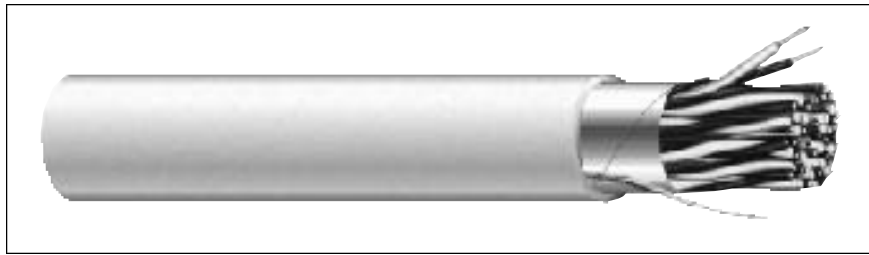
- Computers
- Industrial equipment
- Data transmission
- Control circuits
- Suitable for low capacitance applications
- Suggested voltage rating: 30 volts

**Compliances:**

- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2448 (UL: 60°C, 30V)
- 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 PAIRS	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR /kft		VEL. OF PROP. %	NOM. IMP. ,	NOMINAL CAP.* pF/ft	
				IN	mm	IN	mm	IN	mm	COND	SHLD.			A	B
<b>C0890</b>	2	24	7/32	0.015	0.38	0.032	0.81	0.247	6.27	26.0	16.5	66	100	14.0	25.0
<b>C0901</b>	3	24	7/32	0.015	0.38	0.032	0.81	0.261	6.63	26.0	16.5	66	100	14.0	25.0
<b>C0893</b>	4	24	7/32	0.015	0.38	0.032	0.81	0.285	7.24	26.0	16.5	66	100	14.0	25.0
<b>C0899</b>	6	24	7/32	0.015	0.38	0.032	0.81	0.336	8.53	26.0	15.2	66	100	14.0	25.0
<b>C0897</b>	12.5	24	7/32	0.015	0.38	0.038	0.97	0.459	11.60	26.0	13.8	66	100	14.0	25.0

\*A - Capacitance between conductors

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

**Color Code Chart**

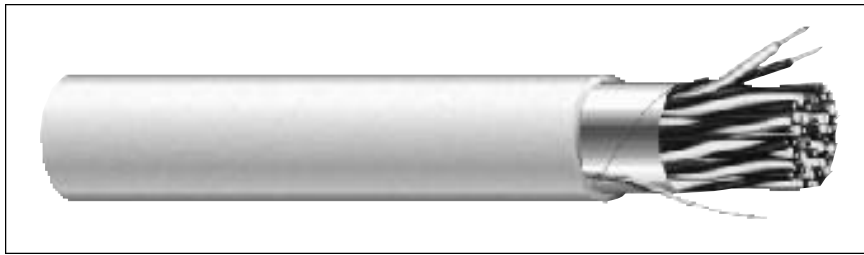
NO. OF PAIRS	COLOR	NO. OF PAIRS	COLOR
1	Black paired with White	7	White/Blue paired with Blue/White
2	Red paired with Green	8	White/Brown paired with Brown/White
3	Brown paired with Blue	9	White/Orange paired with Orange/White
4	Orange paired with Yellow	10	White/Green paired with Green/White
5	Violet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

Single Conductor: Green with Yellow Stripe



# Multi-Paired, Foil Shield, Lo-Cap®

UL 2919, NEC Type CM (UL) c(UL) CMH



**Product Construction:**

**Conductor:**

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

**Insulation:**

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

**Shield:**

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

**Jacket:**

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

**Applications:**

- High speed computer interconnects
- Data transmission
- Low capacitance, extended distance
- Computer applications
- Suggested voltage rating: 30 volts

**Features:**

- Excellent high frequency properties
- Mechanical durability
- Superior circuit isolation

**Compliances:**

- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2919 (UL: 80°C, 30V)
- 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 PAIRS	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR /kft		VEL. OF PROP. %	NOM. IMP.,	NOMINAL CAP.* pF/ft	
				IN	mm	IN	mm	IN	mm	COND.	SHLD.			A	B
<b>C0615</b>	3	24	7/32	0.018	0.46	0.032	0.81	0.260	6.60	24.0	15.5	66	100	15.5	27.5
<b>C0616</b>	4	24	7/32	0.018	0.46	0.032	0.81	0.290	7.37	24.0	14.5	66	100	15.5	27.5
<b>C0617</b>	6	24	7/32	0.018	0.46	0.032	0.81	0.341	8.69	24.0	13.8	66	100	15.5	27.5
<b>C0618</b>	9	24	7/32	0.018	0.46	0.038	0.97	0.432	10.97	24.0	12.7	66	100	15.5	27.5
<b>C0619</b>	12.5	24	7/32	0.018	0.46	0.038	0.97	0.467	11.86	24.0	11.8	66	100	15.5	27.5

\*A - Capacitance between conductors

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

**Color Code Chart**

NO. OF PAIRS	COLOR	NO. OF PAIRS	COLOR	NO. OF PAIRS	COLOR
1	White—Blue Stripe Blue—White Stripe	5	White—Gray Stripe Gray—White Stripe	9	Red—Brown Stripe Brown—Red Stripe
2	White—Orange Stripe Orange—White Stripe	6	Red—Blue Stripe Blue—Red Stripe	10	Red—Gray Stripe Gray—Red Stripe
3	White—Green Stripe Green—White Stripe	7	Red—Orange Stripe Orange—Red Stripe	11	Black—Blue Stripe Blue—Black Stripe
4	White—Brown Stripe Brown—White Stripe	8	Red—Green Stripe Green—Red Stripe	12	Black—Orange Stripe Orange—Black Stripe

Single Conductor: Green with Yellow Stripe



# Multi-Paired, Foil/Braid Shield

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

**Product Construction:**

**Conductor:**

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

**Insulation:**

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

**Shield:**

- 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out
- 65% tinned copper braid

**Jacket:**

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

**Applications:**

- Computers
- Industrial equipment
- Data transmission
- Control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 volts

**Features:**

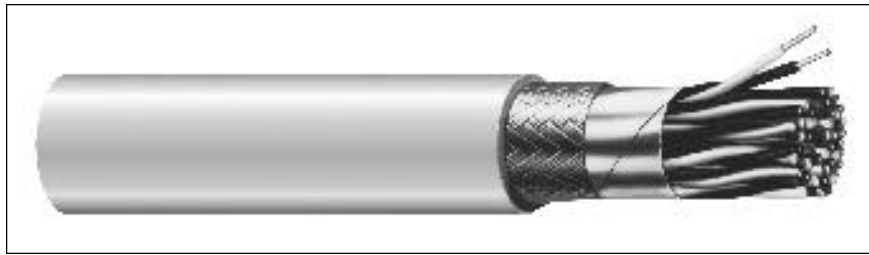
- Braid shield provides good flexibility
- Superior shielding where noise rejection is critical
- Assists system designers in meeting FCC Docket 20789 demands

**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 PAIRS	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR /kft		NOMINAL CAP.* pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	COND.	SHLD.	A	B
C0620	2	24	7/32	0.010	0.25	0.032	0.81	0.235	5.97	24.0	5.4	30.0	54.0
C0621	3	24	7/32	0.010	0.25	0.032	0.81	0.246	6.25	24.0	5.0	30.0	54.0
C0622	4	24	7/32	0.010	0.25	0.032	0.81	0.266	6.76	24.0	4.5	30.0	54.0
C0623	5	24	7/32	0.010	0.25	0.032	0.81	0.292	7.42	24.0	4.6	30.0	54.0
C0624	6	24	7/32	0.010	0.25	0.032	0.81	0.313	7.95	24.0	4.7	30.0	54.0
C0625	7	24	7/32	0.010	0.25	0.032	0.81	0.313	7.95	24.0	4.7	30.0	54.0
C0626	8	24	7/32	0.010	0.25	0.032	0.81	0.336	8.53	24.0	4.1	30.0	54.0
C0628	10	24	7/32	0.010	0.25	0.032	0.81	0.386	9.80	24.0	3.5	30.0	54.0
C0630	12.5	24	7/32	0.010	0.25	0.032	0.81	0.396	10.06	24.0	3.6	30.0	54.0

\*A - Capacitance between conductors

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

**Color Code Chart**

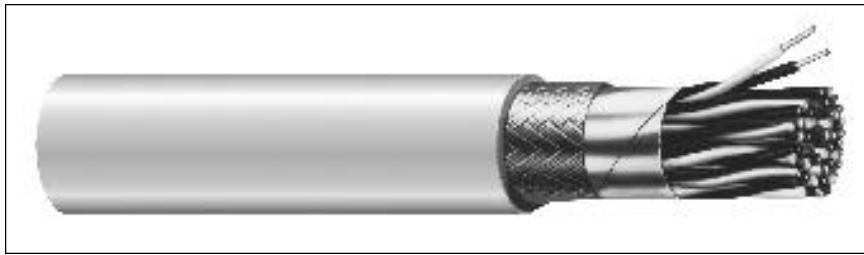
NO. OF PAIRS	COLOR	NO. OF PAIRS	COLOR
1	Black paired with Red	7	Black paired with Orange
2	Black paired with White	8	Red paired with White
3	Black paired with Green	9	Red paired with Green
4	Black paired with Blue	10	Red paired with Blue
5	Black paired with Yellow	11	Red paired with Yellow
6	Black paired with Brown	12	Red paired with Brown

Single Conductor: Green with Yellow Stripe



# Multi-Paired, Foil/Braid Shield

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



**Product Construction:**

**Conductor:**

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

**Insulation:**

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

**Shield:**

- 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out
- 65% tinned copper braid

**Jacket:**

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

**Applications:**

- Computers
- Industrial equipment
- Data transmission
- Control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 volts

**Features:**

- Braid shield provides good flexibility
- Superior shielding where noise rejection is critical
- Assists system designers in meeting FCC Docket 20789 demands

**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 PAIRS	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR /kft		NOMINAL CAP.* pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	COND.	SHLD.	A	B
C0650	2	22	7/30	0.010	0.25	0.032	0.81	0.229	5.82	15.0	5.7	33.0	60.0
C0651	3	22	7/30	0.010	0.25	0.032	0.81	0.296	7.52	15.0	5.7	29.0	52.0
C0652	4	22	7/30	0.010	0.25	0.032	0.81	0.320	8.13	15.0	4.9	29.0	52.0
C0653	5	22	7/30	0.010	0.25	0.032	0.81	0.322	8.18	15.0	4.8	29.0	52.0
C0654	6	22	7/30	0.010	0.25	0.032	0.81	0.348	8.84	15.0	5.0	26.0	47.0
C0655	7	22	7/30	0.010	0.25	0.032	0.81	0.348	8.84	15.0	5.0	26.0	47.0
C0656	8	22	7/30	0.010	0.25	0.032	0.81	0.368	9.35	15.0	4.4	26.0	47.0
C0658	10	22	7/30	0.010	0.25	0.032	0.81	0.440	11.18	15.0	4.1	26.0	47.0
C0660	12.5	22	7/30	0.010	0.25	0.032	0.81	0.455	11.56	15.0	4.2	26.0	47.0

\*A - Capacitance between conductors

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

**Color Code Chart**

NO. OF PAIRS	COLOR	NO. OF PAIRS	COLOR
1	Black paired with Red	7	Black paired with Orange
2	Black paired with White	8	Red paired with White
3	Black paired with Green	9	Red paired with Green
4	Black paired with Blue	10	Red paired with Blue
5	Black paired with Yellow	11	Red paired with Yellow
6	Black paired with Brown	12	Red paired with Brown

Single Conductor: Green with Yellow Stripe



# Multi-Paired, Foil/Braid Shield, Lo-Cap®

UL 2919, NEC Type CM (UL) c(UL) CMH

**Product Construction:**

**Conductor:**

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

**Insulation:**

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

**Shield:**

- 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out
- Stranded tinned copper drain wire
- 90% tinned copper braid

**Jacket:**

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

**Applications:**

- Computers
- Industrial equipment
- Data transmission
- Control circuits
- Low capacitance requirements
- Suitable for EIA RS-485 applications
- Suggested voltage rating: 30 volts

**Features:**

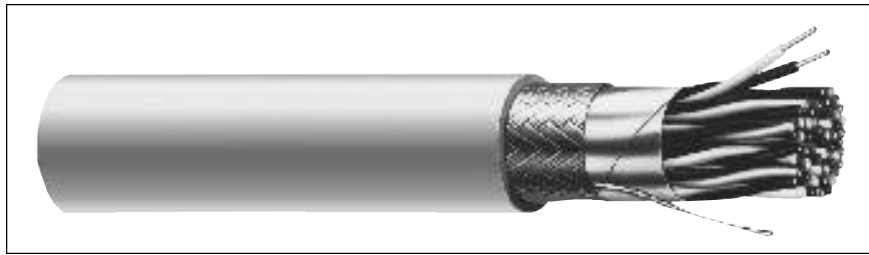
- Braid shield provides good flexibility
- Superior shielding where noise rejection is critical
- Assists system designers in meeting FCC Docket 20789 demands

**Compliances:**

- NEC Article 800 Type CM
- UL Style 2919 (UL: 80°C, 30V)
- 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
- 500' (152 m) Spools
- Other put-ups available—consult Customer Service



CATALOG NUMBER	NO. OF PAIRS	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR /kft		VEL. OF PROP. %	NOM. IMP. °	NOMINAL CAP.* pF/ft	
				IN	mm	IN	mm	IN	mm	COND.	SHLD.			A	B
<b>C0841</b>	1	24	7/32	0.024	0.61	0.032	0.81	0.235	5.97	26.0	3.4	66	100	12.5	22.5
<b>C0842</b>	2	24	7/32	0.024	0.61	0.032	0.81	0.304	7.72	26.0	2.2	66	100	12.5	22.5
<b>C0843</b>	3	24	7/32	0.024	0.61	0.032	0.81	0.360	9.14	26.0	2.3	66	100	12.5	22.5
<b>C0844</b>	4	24	7/32	0.024	0.61	0.032	0.81	0.390	9.91	26.0	2.1	66	100	12.5	22.5

\*A - Capacitance between conductors

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

**Color Code Chart**

NO. OF PAIRS	COLOR
1	Black paired with Red
2	Black paired with White
3	Black paired with Green
4	Black paired with Blue

CATALOG NUMBER	NO. OF PAIRS	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR /kft		VEL. OF PROP. %	NOM. IMP. °	NOMINAL* CAP. pF/ft	
				IN	mm	IN	mm	IN	mm	COND.	SHLD.			A	B
<b>C4841</b>	1	24	7/32	0.024	0.61	0.032	0.81	0.235	5.97	26.0	3.4	66	100	12.5	22.5
<b>C4842</b>	2	24	7/32	0.024	0.61	0.032	0.81	0.304	7.72	26.0	2.2	66	100	12.5	22.5
<b>C4843</b>	3	24	7/32	0.024	0.61	0.032	0.81	0.360	9.14	26.0	2.3	66	100	12.5	22.5
<b>C4844</b>	4	24	7/32	0.024	0.61	0.032	0.81	0.390	9.91	26.0	2.1	66	100	12.5	22.5

\*A - Capacitance between conductors

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

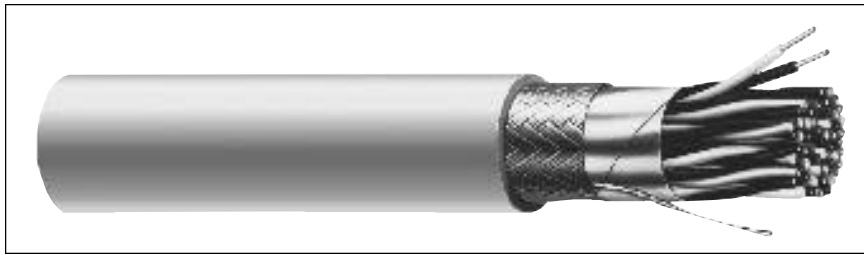
**Color Code Chart**

NO. OF PAIRS	COLOR	NO. OF PAIRS	COLOR
1	White—Blue Stripe Blue—White Stripe	3	White—Green Stripe Green—White Stripe
2	White—Orange Stripe Orange—White Stripe	4	White—Brown Stripe Brown—White Stripe



# Multi-Paired, Foil/Braid Shield, Lo-Cap®

UL 2960, NEC Type CL2



**Product Construction:**

**Conductor:**

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

**Insulation:**

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

**Shield:**

- 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out
- Stranded tinned copper drain wire
- 90% tinned copper braid

**Jacket:**

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

**Applications:**

- Computers
- Industrial equipment
- Data transmission
- Control circuits
- Low capacitance requirements
- Suitable for EIA RS-232 applications
- Suitable for EIA RS-422 applications
- Suggested voltage rating: 30 volts

**Features:**

- Braid shield provides good flexibility
- Superior shielding where noise rejection is critical
- Assists system designers in meeting FCC Docket 20789 demands

**Compliances:**

- NEC Article 725 Type CL2
- UL Style 2960 (UL: 60°C, 30V)
- 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 PAIRS	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR /kft		VEL. OF PROP. %	NOM. IMP.,	NOMINAL CAP.* pF/ft	
				IN	mm	IN	mm	IN	mm	COND	SHLD.			A	B
C0804	2	28	7/36	0.009	0.23	0.032	0.81	0.194	4.93	64.9	3.9	66	100	15.5	27.5
C0805	3	28	7/36	0.009	0.23	0.032	0.81	0.194	4.93	64.9	4.2	66	100	15.5	27.5
C0806	4	28	7/36	0.009	0.23	0.032	0.81	0.211	5.36	64.9	3.3	66	100	15.5	27.5
C0807	5	28	7/36	0.009	0.23	0.032	0.81	0.226	5.74	64.9	3.5	66	100	15.5	27.5
C0808	7	28	7/36	0.009	0.23	0.032	0.81	0.253	6.43	64.9	2.9	66	100	15.5	27.5
C0810	10	28	7/36	0.009	0.23	0.032	0.81	0.285	7.24	64.9	2.9	66	100	15.5	27.5
C0812	12	28	7/36	0.009	0.23	0.032	0.81	0.294	7.47	64.9	3.3	66	100	15.5	27.5

\*A - Capacitance between conductors

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

**Color Code Chart**

NO. OF PAIRS	COLOR	NO. OF PAIRS	COLOR
1	Black paired with Red	7	Black paired with Orange
2	Black paired with White	8	Red paired with White
3	Black paired with Green	9	Red paired with Green
4	Black paired with Blue	10	Red paired with Blue
5	Black paired with Yellow	11	Red paired with Yellow
6	Black paired with Brown	12	Red paired with Brown



# Multi-Paired, Foil/Braid Shield, Lo-Cap®

UL 2582 or 2919, NEC Type MP/CM (UL), c(UL) CMH or CM (UL) c(UL) CMH

**Product Construction:**

**Conductor:**

- 22 AWG fully annealed solid tinned copper per ASTM B-33 (C8006) or 22 AWG fully annealed solid bare copper per ASTM B-3 (C8004)
- Twisted pairs

**Insulation:**

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

**Shield:**

- 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out
- Solid tinned copper drain wire
- 68% tinned copper braid

**Jacket:**

- PVC, black
- Temperature Range:
  - 20°C to +75°C (C8004)
  - 20°C to +80°C (C8006)

**Applications:**

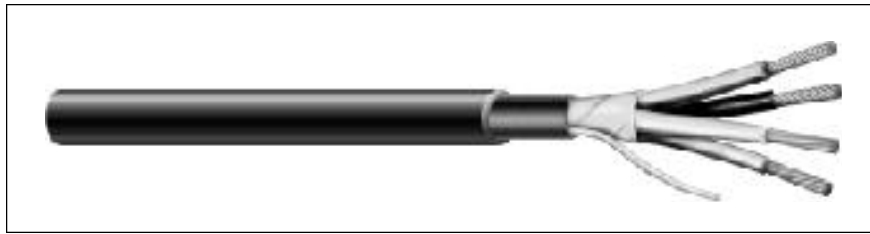
- Computers
- Industrial equipment
- Data transmission
- Suggested voltage rating: 300 volts

**Compliances:**

- NEC Article 800 Type MP/CM (UL: 60°C)
- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2582 (C8004) (UL: 60°C, 150V)
- UL Style 2919 (C8006) (UL: 80°C, 30V)
- 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
- 500' (152 m) Spools
- Other put-ups available—consult Customer Service



CATALOG NUMBER	NO. OF PAIRS	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR /kft		VEL. OF PROP. %	NOM. IMP.,	NOMINAL CAP.* pF/ft	
				IN	mm	IN	mm	IN	mm	COND.	SHLD.			A	B

**UL Style 2582, CM (UL) c(UL) CMH, 150V**

<b>C8004</b>	2	22	Solid	0.018	0.46	0.032	0.81	0.300	7.62	16.5	5.0	66.0	100	16.0	27.5
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Solid Tinned Copper, Color Code Chart #1

**UL Style 2919, MP/CM (UL) c(UL) CMH, 30V**

<b>C8006</b>	2	22	Solid	0.018	0.46	0.032	0.81	0.300	7.62	17.2	5.0	66.0	100	15.5	27.5
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Solid Bare Copper, 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 PAIRS	COLOR
1	Red paired with Blue
2	Black paired with Yellow

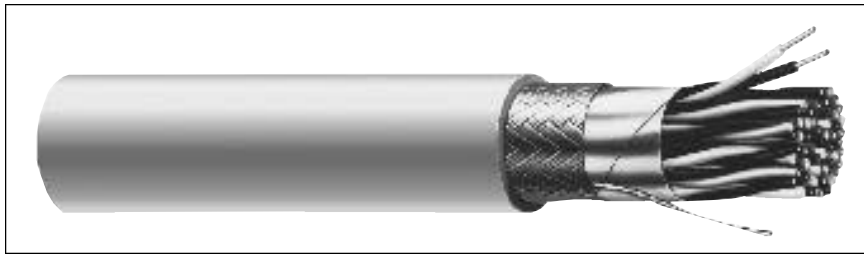
**Color Code Chart #2**

NO. OF PAIRS	COLOR
1	Blue paired with White/Blue
2	Orange paired with White/Orange



# Multi-Paired, Foil/Braid Shield, Lo-Cap®

UL 2919, NEC Type CM (UL) c(UL) CMH



**Product Construction:**

**Conductor:**

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

**Insulation:**

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

**Shield:**

- 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out
- Stranded tinned copper drain wire
- 90% tinned copper braid

**Jacket:**

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

**Applications:**

- Computers
- Industrial equipment
- Data transmission
- Control circuits
- Low capacitance requirements
- Suitable for EIA RS-232 applications
- Suitable for EIA RS-422 applications
- Suggested voltage rating: 30 volts

**Features:**

- Braid shield provides good flexibility
- Superior shielding where noise rejection is critical
- Assists system designers in meeting FCC Docket 20789 demands

**Compliances:**

- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2919 (UL: 80°C, 30V)
- 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 PAIRS	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR /kft		VEL. OF PROP. %	NOM. IMP.,	NOMINAL CAP.* pF/ft	
				IN	mm	IN	mm	IN	mm	COND.	SHLD.			A	B
C0829	2	24	7/32	0.015	0.38	0.032	0.81	0.257	6.53	26.0	2.7	66	100	15.5	27.5
C0830	3	24	7/32	0.015	0.38	0.032	0.81	0.289	7.34	26.0	2.8	66	100	15.5	27.5
C0831	4	24	7/32	0.015	0.38	0.032	0.81	0.313	7.95	26.0	3.2	66	100	15.5	27.5
C0832	5	24	7/32	0.015	0.38	0.032	0.81	0.338	8.59	26.0	1.9	66	100	15.5	27.5
C0839	6	24	7/32	0.015	0.38	0.032	0.81	0.364	9.24	26.0	2.4	66	100	15.5	27.5
C0833	7	24	7/32	0.015	0.38	0.032	0.81	0.364	9.24	26.0	2.0	66	100	15.5	27.5
C0835	10	24	7/32	0.015	0.38	0.038	0.97	0.462	11.73	26.0	1.7	66	100	15.5	27.5
C0836	12	24	7/32	0.015	0.38	0.038	0.97	0.479	12.17	26.0	1.8	66	100	15.5	27.5

\*A - Capacitance between conductors

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

**Color Code Chart**

NO. OF PAIRS	COLOR	NO. OF PAIRS	COLOR
1	Black paired with Red	7	Black paired with Orange
2	Black paired with White	8	Red paired with White
3	Black paired with Green	9	Red paired with Green
4	Black paired with Blue	10	Red paired with Blue
5	Black paired with Yellow	11	Red paired with Yellow
6	Black paired with Brown	12	Red paired with Brown



CMH Certified  
Canadian Standard Association





# Multi-Paired, Foil/Braid Shield, Lo-Cap®

UL 2919, NEC Type CL2, CSA CMH

**Product Construction:**

**Conductor:**

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

**Insulation:**

- Premium grade color coded Lo-Cap® foamed polypropylene
- Color Code: See chart below

**Shield:**

- 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out
- Stranded tinned copper drain wire
- 65% tinned copper braid

**Jacket:**

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

**Applications:**

- High speed computer interconnects
- CAD/CAM systems
- EIA RS-232 and RS-423 systems
- Control circuits
- Industrial equipment
- Low signal distortion data requirements
- Suggested voltage rating: 30 volts

**Features:**

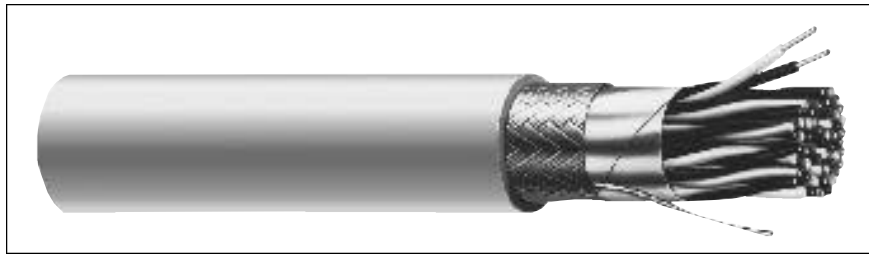
- Braid shield provides good flexibility
- Superior shielding where noise rejection is critical
- Assists system designers in meeting FCC Docket 20789 demands

**Compliances:**

- NEC Article 725 Type CL2
- UL Style 2919 (UL: 80°C, 30V)
- CSA CMH (CSA: 60°C)
- Designed to Meet UL 70,000 BTU Vertical Tray Flame Test
- 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 PAIRS	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR /kft		VEL. OF PROP. %	NOM. IMP.-%	NOMINAL CAP.* pF/ft	
				IN	mm	IN	mm	IN	mm	COND	SHLD.			A	B
C0500	2	28	7/36	0.016	0.41	0.032	0.81	0.246	6.25	64.9	5.1	78	158	8.3	14.9
C0501	3	28	7/36	0.016	0.41	0.032	0.81	0.258	6.55	64.9	5.2	78	158	8.3	14.9
C0502	4	28	7/36	0.016	0.41	0.032	0.81	0.279	7.09	64.9	4.4	78	158	8.3	14.9
C0503	5	28	7/36	0.016	0.41	0.032	0.81	0.300	7.62	64.9	4.2	78	158	8.3	14.9
C0504	6	28	7/36	0.016	0.41	0.032	0.81	0.324	8.23	64.9	4.4	78	167	7.8	14.1
C0505	7	28	7/36	0.016	0.41	0.032	0.81	0.324	8.23	64.9	4.2	78	167	7.8	14.1
C0506	8	28	7/36	0.016	0.41	0.032	0.81	0.348	8.84	64.9	3.7	78	167	7.8	14.1
C0507	10	28	7/36	0.016	0.41	0.038	0.97	0.401	10.19	64.9	3.4	78	167	7.8	14.1
C0508	12.5	28	7/36	0.016	0.41	0.038	0.97	0.350	8.89	64.9	3.1	78	167	7.8	14.1
C0509	15	28	7/36	0.016	0.41	0.038	0.97	0.455	11.56	64.9	2.5	78	167	7.8	14.1
C0510	18	28	7/36	0.016	0.41	0.042	1.07	0.479	12.17	64.9	2.6	78	167	7.8	14.1
C0511	25	28	7/36	0.016	0.41	0.048	1.22	0.588	14.94	64.9	2.3	78	167	7.8	14.1

\*A - Capacitance between conductors

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

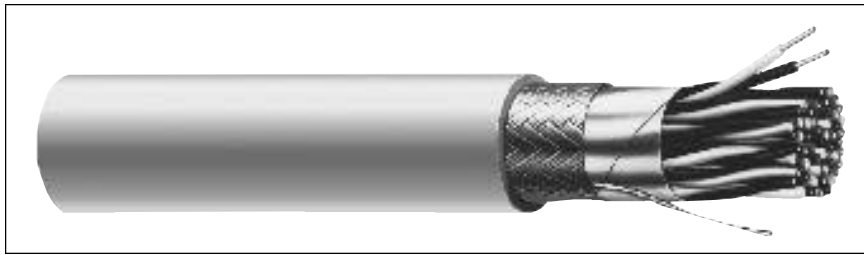
**Color Code Chart**

NO. OF PAIRS	COLOR	NO. OF PAIRS	COLOR	NO. OF PAIRS	COLOR
1	White—Blue Stripe Blue—White Stripe	10	Red—Gray Stripe Gray—Red Stripe	18	Yellow—Green Stripe Green—Yellow Stripe
2	White—Orange Stripe Orange—White Stripe	11	Black—Blue Stripe Blue—Black Stripe	19	Yellow—Brown Stripe Brown—Yellow Stripe
3	White—Green Stripe Green—White Stripe	12	Black—Orange Stripe Orange—Black Stripe	20	Yellow—Gray Stripe Gray—Yellow Stripe
4	White—Brown Stripe Brown—White Stripe	13	Black—Green Stripe Green—Black Stripe	21	Violet—Blue Stripe Blue—Violet Stripe
5	White—Gray Stripe Gray—White Stripe	14	Black—Brown Stripe Brown—Black Stripe	22	Violet—Orange Stripe Orange—Violet Stripe
6	Red—Blue Stripe Blue—Red Stripe	15	Black—Gray Stripe Gray—Black Stripe	23	Violet—Green Stripe Green—Violet Stripe
7	Red—Orange Stripe Orange—Red Stripe	16	Yellow—Blue Stripe Blue—Yellow Stripe	24	Violet—Brown Stripe Brown—Violet Stripe
8	Red—Green Stripe Green—Red Stripe	17	Yellow—Orange Stripe Orange—Yellow Stripe	25	Violet—Gray Stripe Gray—Violet Stripe
9	Red—Brown Stripe Brown—Red Stripe	Single Conductor: Green with Yellow Stripe			



# Multi-Paired, Foil/Braid Shield, Lo-Cap®

UL 2919, NEC Type CM (UL) c(UL) CMH



CATALOG NUMBER	NO. OF PAIRS	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR /kft		VEL. OF PROP. %	NOM. IMP.,	NOMINAL CAP.* pF/ft	
				IN	mm	IN	mm	IN	mm	COND.	SHLD.			A	B
C0515	2	24	7/32	0.016	0.41	0.032	0.81	0.268	6.81	26.0	4.6	78	132	9.9	17.8
C0516	3	24	7/32	0.016	0.41	0.032	0.81	0.290	7.37	26.0	3.8	78	132	9.9	17.8
C0517	4	24	7/32	0.016	0.41	0.032	0.81	0.315	8.00	26.0	4.1	78	132	9.9	17.8
C0518	5	24	7/32	0.016	0.41	0.032	0.81	0.340	8.64	26.0	4.2	78	132	9.9	17.8
C0519	6	24	7/32	0.016	0.41	0.032	0.81	0.368	9.35	26.0	3.5	78	141	9.2	16.6
C0520	7	24	7/32	0.016	0.41	0.032	0.81	0.370	9.40	26.0	3.5	78	141	9.2	16.6
C0521	8	24	7/32	0.016	0.41	0.032	0.81	0.397	10.08	26.0	2.7	78	141	9.2	16.6
C0522	10	24	7/32	0.016	0.41	0.038	0.97	0.473	12.01	26.0	2.4	78	141	9.2	16.6
C0523	12.5	24	7/32	0.016	0.41	0.038	0.97	0.486	12.34	26.0	2.4	78	141	9.2	16.6
C0524	15	24	7/32	0.016	0.41	0.048	1.22	0.555	14.10	26.0	2.6	78	141	9.2	16.6
C0525	18	24	7/32	0.016	0.41	0.048	1.22	0.585	14.86	26.0	2.1	78	141	9.2	16.6
C0526	25	24	7/32	0.016	0.41	0.048	1.22	0.677	17.20	26.0	2.0	78	141	9.2	16.6

\*A - Capacitance between conductors

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

### Color Code Chart

NO. OF PAIRS	COLOR	NO. OF PAIRS	COLOR	NO. OF PAIRS	COLOR
1	White—Blue Stripe Blue—White Stripe	10	Red—Gray Stripe Gray—Red Stripe	18	Yellow—Green Stripe Green—Yellow Stripe
2	White—Orange Stripe Orange—White Stripe	11	Black—Blue Stripe Blue—Black Stripe	19	Yellow—Brown Stripe Brown—Yellow Stripe
3	White—Green Stripe Green—White Stripe	12	Black—Orange Stripe Orange—Black Stripe	20	Yellow—Gray Stripe Gray—Yellow Stripe
4	White—Brown Stripe Brown—White Stripe	13	Black—Green Stripe Green—Black Stripe	21	Violet—Blue Stripe Blue—Violet Stripe
5	White—Gray Stripe Gray—White Stripe	14	Black—Brown Stripe Brown—Black Stripe	22	Violet—Orange Stripe Orange—Violet Stripe
6	Red—Blue Stripe Blue—Red Stripe	15	Black—Gray Stripe Gray—Black Stripe	23	Violet—Green Stripe Green—Violet Stripe
7	Red—Orange Stripe Orange—Red Stripe	16	Yellow—Blue Stripe Blue—Yellow Stripe	24	Violet—Brown Stripe Brown—Violet Stripe
8	Red—Green Stripe Green—Red Stripe	17	Yellow—Orange Stripe Orange—Yellow Stripe	25	Violet—Gray Stripe Gray—Violet Stripe
9	Red—Brown Stripe Brown—Red Stripe	Single Conductor: Green with Yellow Stripe			

### Product Construction:

#### Conductor:

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

#### Insulation:

- Premium grade color coded Lo-Cap® foamed polypropylene
- Color Code: See chart below

#### Shield:

- 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out
- Stranded tinned copper drain wire
- 65% tinned copper braid

#### Jacket:

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

### Applications:

- High speed computer interconnects
- CAD/CAM systems
- EIA RS-232 and RS-423 systems
- Control circuits
- Industrial equipment
- Low signal distortion data requirements
- Suggested voltage rating: 30 volts

### Features:

- Braid shield provides good flexibility
- Superior shielding where noise rejection is critical
- Assists system designers in meeting FCC Docket 20789 demands

### Compliances:

- NEC Article 800 Type CM
- UL Style 2919 (UL: 80°C, 30V)
- 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



# Multi-Paired, Individually Foil Shielded

UL 2919, NEC Type CM, CSA CMH

**Product Construction:**

**Conductor:**

- 24 thru 18 AWG fully annealed stranded tinned copper per ASTM B-33
- Twisted pairs

**Insulation:**

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

**Shield:**

- Individually shielded pairs
- 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing in
- Stranded tinned copper drain wire each pair

**Jacket:**

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

**Applications:**

- Applications for total isolation of signal
- Computers
- Control circuits
- Industrial equipment
- Suggested voltage rating: 30 volts

**Features:**

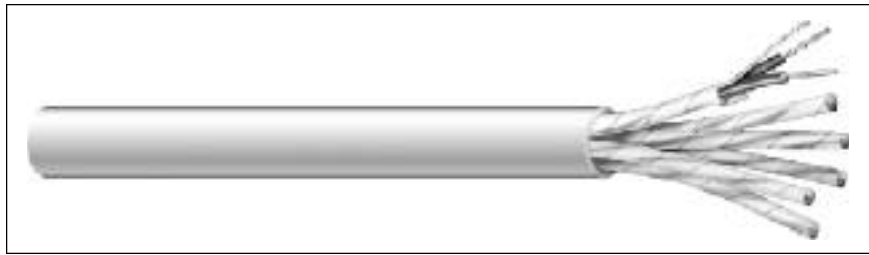
- Individually shielded pairs for excellent signal isolation
- Excellent high frequency properties
- Mechanical durability

**Compliances:**

- NEC Article 800 Type CM
- UL Style 2919 (UL: 80°C, 30V)
- CSA CMH (CSA: 60°C)
- Designed to Meet UL 70,000 BTU Vertical Tray Flame Test
- 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 PAIRS	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR /kft		VEL. OF PROP. %	NOM. IMP.,	NOMINAL CAP.** pF/ft	
				IN	mm	IN	mm	IN	mm	COND.	SHLD.			A	B
C6065	3	24	7/32	0.011	0.28	0.032	0.81	0.269	6.83	26.0	18.0	66	71	21.7	39.0
C6066	6	24	7/32	0.011	0.28	0.032	0.81	0.349	8.86	26.0	18.0	66	71	21.7	39.0
C6067	9	24	7/32	0.011	0.28	0.032	0.97	0.406	10.62	26.0	18.0	66	71	21.7	39.0
C6040	3	22	7/30	0.011	0.28	0.032	0.81	0.292	7.42	15.0	11.3	66	63	24.4	43.9
C6041	6	22	7/30	0.011	0.28	0.032	0.81	0.381	9.27	15.0	11.3	66	63	24.4	43.9
C6042	9	22	7/30	0.011	0.28	0.032	0.97	0.445	11.61	15.0	11.3	66	63	24.4	43.9
C6043	11	22	7/30	0.011	0.28	0.032	0.97	0.486	12.65	15.0	11.3	66	63	24.4	43.9
C6059	12	22	7/30	0.011	0.28	0.048	1.19	0.533	13.49	15.0	11.3	66	63	24.4	43.9
C6044	15	22	7/30	0.011	0.28	0.048	1.19	0.591	14.96	15.0	11.3	66	63	24.4	43.9
C6060	17	22	7/30	0.011	0.28	0.048	1.19	0.622	15.75	15.0	11.3	66	63	24.4	43.9
C6045	19	22	7/30	0.011	0.28	0.048	1.19	0.622	15.75	15.0	11.3	66	63	24.4	43.9
C6046*	27	22	7/30	0.011	0.28	0.048	1.19	0.696	17.68	15.0	11.3	66	63	24.4	43.9
C6052	3	20	7/28	0.013	0.33	0.032	0.81	0.339	8.61	10.5	10.2	66	61	25.3	45.6
C6053	6	20	7/28	0.013	0.33	0.032	0.81	0.446	11.33	10.5	10.2	66	61	25.3	45.6
C6054	9	20	7/28	0.013	0.33	0.048	1.19	0.555	14.05	10.5	10.2	66	61	25.3	45.6
C6056	12	20	7/28	0.013	0.33	0.048	1.19	0.623	15.77	10.5	10.2	66	61	25.3	45.6
C6058	15	20	7/28	0.013	0.33	0.048	1.19	0.692	17.53	10.5	10.2	66	61	25.3	45.6
C6047	3	18	16/30	0.016	0.41	0.032	0.81	0.395	9.75	6.4	8.3	66	60	25.7	46.2
C6048	6	18	16/30	0.016	0.41	0.048	1.19	0.556	14.07	6.4	8.3	66	60	25.7	46.2
C6049	9	18	16/30	0.016	0.41	0.048	1.19	0.649	16.43	6.4	8.3	66	60	25.7	46.2
C6050	12	18	16/30	0.016	0.41	0.048	1.19	0.731	18.52	6.4	8.3	66	60	25.7	46.2
C6051	15	18	16/30	0.016	0.41	0.048	1.60	0.776	20.47	6.4	8.3	66	60	25.7	46.2

\* UL2919, CSA CMG FT1, Non CM

\*\*A - Capacitance between conductors

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

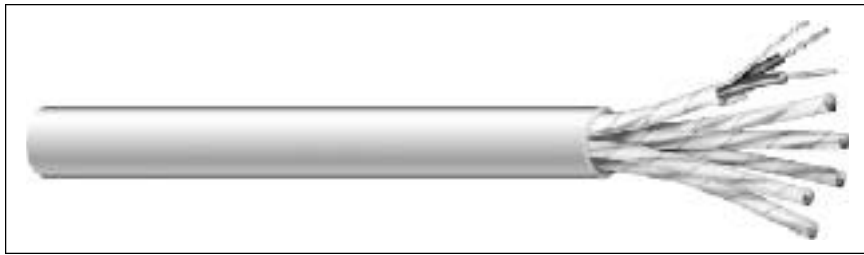
**Color Code Chart**

NO. OF PAIRS	COLOR	NO. OF PAIRS	COLOR	NO. OF PAIRS	COLOR
1	Black paired with Red	10	Red paired with Blue	19	White paired with Blue
2	Black paired with White	11	Red paired with Yellow	20	White paired with Yellow
3	Black paired with Green	12	Red paired with Brown	21	White paired with Brown
4	Black paired with Blue	13	Red paired with Orange	22	White paired with Orange
5	Black paired with Yellow	14	Green paired with White	23	Blue paired with Yellow
6	Black paired with Brown	15	Green paired with Blue	24	Blue paired with Brown
7	Black paired with Orange	16	Green paired with Yellow	25	Blue paired with Orange
8	Red paired with White	17	Green paired with Brown	26	Brown paired with Yellow
9	Red paired with Green	18	Green paired with Orange	27	Brown paired with Orange



# Multi-Paired, Individually Foil Shielded

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



**Product Construction:**

**Conductor:**

- 22 AWG fully annealed solid tinned copper per ASTM B-33
- Twisted pairs

**Insulation:**

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

**Shield:**

- Individually shielded pairs
- 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing in
- Solid tinned copper drain wire each pair

**Jacket:**

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

**Applications:**

- Applications for total isolation of signal
- Computers
- Control circuits
- Industrial equipment
- Suggested voltage rating: 300 volts

**Features:**

- Individually shielded pairs for excellent signal isolation
- Excellent high frequency properties
- Mechanical durability

**Compliances:**

- NEC Article 800 Type CM or MP/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

CATALOG NUMBER	NO. OF PAIRS	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR /kft		NOMINAL IMPEDANCE	NOMINAL CAP.* pF/ft	
				IN	mm	IN	mm	IN	mm	COND	SHLD.		A	B
<b>C6035</b>	3	22	Solid	0.015	0.38	0.032	0.81	0.304	7.72	16.5	11.3	50	40.0	72.0
<b>C6036</b>	6	22	Solid	0.015	0.38	0.032	0.81	0.397	10.08	16.5	11.3	50	40.0	72.0

\*A - Capacitance between conductors

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

**Color Code Chart**

NO. OF PAIRS	COLOR	NO. OF PAIRS	COLOR
1	Black paired with Red	4	Black paired with Blue
2	Black paired with White	5	Black paired with Yellow
3	Black paired with Green	6	Black paired with Brown



# Multi-Paired, Individually Foil Shielded

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

**Product Construction:**

**Conductor:**

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

**Insulation:**

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

**Shield:**

- Individually shielded pairs
- 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing in
- Stranded tinned copper drain wire each pair

**Jacket:**

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

**Applications:**

- Applications for total isolation of signal
- Computers
- Control circuits
- Industrial equipment
- Suggested voltage rating: 300 volts

**Features:**

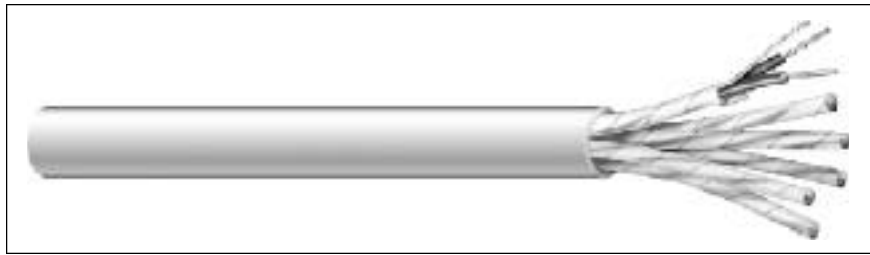
- Individually shielded pairs for excellent signal isolation
- Excellent high frequency properties
- Mechanical durability

**Compliances:**

- NEC Article 725 Type CL2 (UL: 75°C, 150V)
- NEC Article 800 Type CM (UL: 75°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 PAIRS	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL CAP.*	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
<b>C1368</b>	4	20	7/28	0.015	0.38	0.032	0.81	0.364	9.25	27.0	49.0

\*A - Capacitance between conductors

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

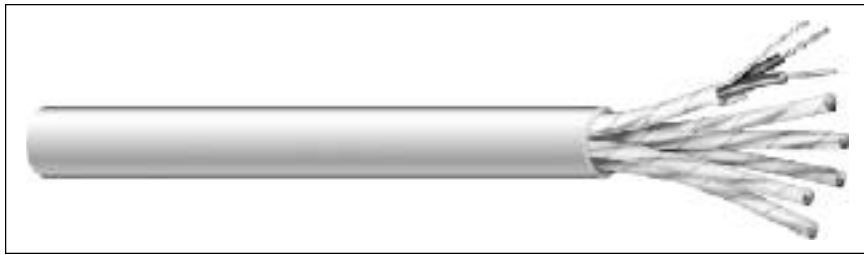
**Color Code Chart**

NO. OF PAIRS	COLOR
1	Red paired with White/Red
2	Black paired with White/Black
3	Green paired with White/Green
4	White paired with White/Yellow



# Multi-Paired, Individually Foil Shielded, Lo-Cap®

UL 2493, NEC Type CM (UL) c(UL) CMH



### Product Construction:

#### Conductor:

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

#### Insulation:

- Premium grade color coded foamed Lo-Cap® polypropylene
- Color Code: See chart below

#### Shield:

- Individually shielded pairs
- 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing in
- Stranded tinned copper drain wire each pair

#### Jacket:

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

### Applications:

- High speed computers
- Industrial equipment
- Control circuits
- Suitable for low capacitance applications
- Suitable for EIA RS-422 CAD/CAM applications
- Suggested voltage rating: 300 volts

### Features:

- Individually shielded pairs for excellent signal isolation
- Excellent high frequency properties
- Mechanical durability

### Compliances:

- NEC Article 800 Type CM (UL: 75°C, 300V)
- UL Style 2493 (UL: 60°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 PAIRS	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR /kft		VEL. OF PROP. %	NOM. IMP. Ω	NOMINAL CAP.* pF/ft	
				IN	mm	IN	mm	IN	mm	COND.	SHLD.			A	B
C0910	2	24	7/32	0.022	0.56	0.048	1.22	0.361	9.17	26.0	18.0	78	100	12.5	23.2
C0911	3	24	7/32	0.022	0.56	0.048	1.22	0.381	9.68	26.0	18.0	78	100	12.5	23.2
C0912	4	24	7/32	0.022	0.56	0.048	1.22	0.416	10.57	26.0	18.0	78	100	12.5	23.2
C0913	6	24	7/32	0.022	0.56	0.048	1.22	0.492	12.50	26.0	18.0	78	100	12.5	23.2
C0914	9	24	7/32	0.022	0.56	0.063	1.60	0.601	15.27	26.0	18.0	78	100	12.5	23.2
C0915	11	24	7/32	0.022	0.56	0.063	1.60	0.652	16.56	26.0	18.0	78	100	12.5	23.2
C0916	12	24	7/32	0.022	0.56	0.063	1.60	0.672	17.08	26.0	18.0	78	100	12.5	23.2
C0917	15	24	7/32	0.022	0.56	0.063	1.60	0.743	18.87	26.0	18.0	78	100	12.5	23.2

\*A - Capacitance between conductors

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

### Color Code Chart

NO. OF PAIRS	COLOR	NO. OF PAIRS	COLOR
1	Black paired with Red	9	Red paired with Green
2	Black paired with White	10	Red paired with Blue
3	Black paired with Green	11	Red paired with Yellow
4	Black paired with Blue	12	Red paired with Brown
5	Black paired with Yellow	13	Red paired with Orange
6	Black paired with Brown	14	Green paired with White
7	Black paired with Orange	15	Green paired with Blue
8	Red paired with White		



# Multi-Paired, Individually Foil/Braid Shielded, Lo-Cap®

UL 2493, NEC Type CM (UL) c(UL) CMH

**Product Construction:**

**Conductor:**

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

**Insulation:**

- Premium grade color coded foamed Lo-Cap® polypropylene
- Color Code: See chart below

**Shield:**

- Individually shielded pairs
- 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing in
- Stranded tinned copper drain wire, each pair
- 70% tinned copper braid, each pair

**Jacket:**

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

**Applications:**

- High speed computers
- Industrial equipment
- Control circuits
- Designed for low capacitance applications
- Suitable for RS-422 CAD/CAM applications
- Suggested voltage rating: 300 volts

**Features:**

- Individually shielded pairs for excellent signal isolation
- Excellent high frequency properties
- Mechanical durability

**Compliances:**

- NEC Article 800 Type CM (UL: 75°C, 300V)
- UL Style 2493 (UL: 60°C)
- Designed to Meet UL 70,000 BTU Vertical Tray Flame Test
- CSA CMH (CSA60°C)
- Passes CSA CMH Flame Test

**Packaging:**

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



CATALOG NUMBER	NO. OF PAIRS	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR /kft			VEL. OF PROP. %	NOM. IMP.,	NOMINAL CAP.* pF/ft	
				IN	mm	IN	mm	IN	mm	C	D	E			A	B
<b>C0924</b>	2	24	7/32	0.022	0.56	0.048	1.22	0.390	9.91	26.0	18.0	4.3	78	100	12.5	22.0
<b>C0925</b>	3	24	7/32	0.022	0.56	0.048	1.22	0.410	10.41	26.0	18.0	4.4	78	100	12.5	22.0
<b>C0926</b>	4	24	7/32	0.022	0.56	0.048	1.22	0.445	11.30	26.0	18.0	3.2	78	100	12.5	22.0

\*A - Capacitance between conductors

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

**Color Code Chart**

NO. OF PAIRS	COLOR
1	Black paired with Red
2	Black paired with White
3	Black paired with Green
4	Black paired with Blue

