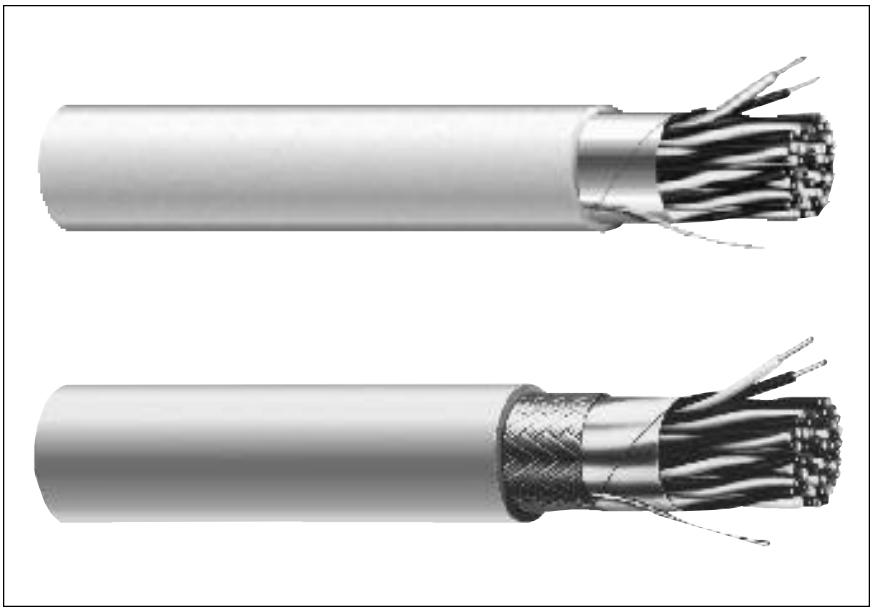
Computer Cable 4

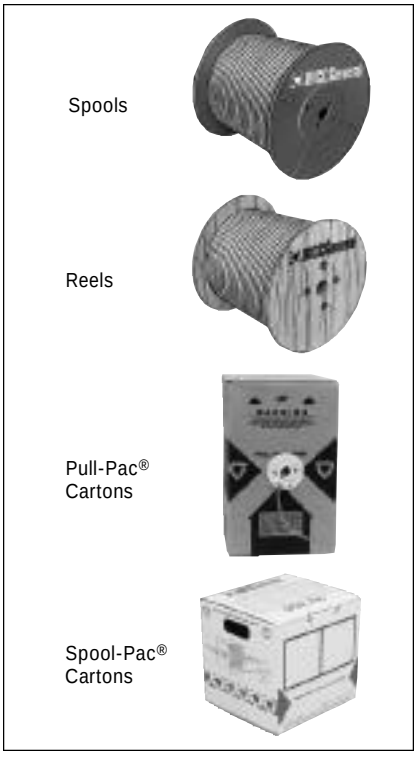


BICCGeneral manufactures a comprehensive line of computer cables.

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, telemetering, data displays, computer print-out, credit verification systems and similar applications.

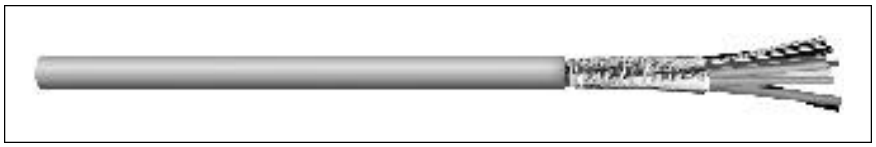
BICCGeneral also offers a variety of put-ups for computer cables to meet your individual requirements.

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



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR Ω/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		

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

CAROL BRAND

CMG Certified Canadian Standard Association

BICC General

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

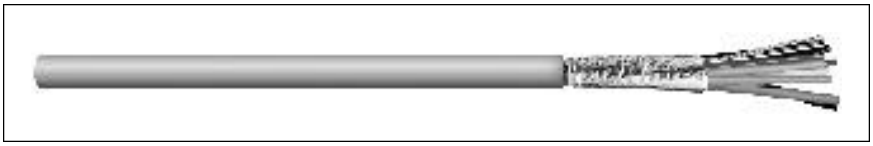
Shield:
- 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out
- Stranded tinned copper drain wire

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 Ω/kft @ 20˚C		NOMINAL CAP.* pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	COND.	SHLD.	A	B
S-R PVC													
C0760	2	22	7/30	0.010	0.25	0.032	0.81	0.169	4.29	15.0	13.0	36.0	65.0
C0761	3	22	7/30	0.010	0.25	0.032	0.81	0.177	4.50	15.0	13.0	36.0	65.0
C0762	4	22	7/30	0.010	0.25	0.032	0.81	0.190	4.83	15.0	12.0	36.0	65.0
C0763	6	22	7/30	0.010	0.25	0.032	0.81	0.219	5.56	15.0	12.0	34.0	61.0
C0764	8	22	7/30	0.010	0.25	0.032	0.81	0.235	5.97	15.0	10.7	34.0	61.0
C0765	10	22	7/30	0.010	0.25	0.032	0.81	0.269	6.83	15.0	10.7	34.0	61.0
C0766	15	22	7/30	0.010	0.25	0.032	0.81	0.304	7.72	15.0	10.7	34.0	61.0
C0767	20	22	7/30	0.010	0.25	0.032	0.81	0.335	8.51	15.0	9.1	34.0	61.0
C0768	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													
C0780	2	20	7/28	0.015	0.38	0.032	0.81	0.207	5.26	11.0	12.0	39.0	70.0
C0781	3	20	7/28	0.015	0.38	0.032	0.81	0.217	5.51	11.0	12.0	39.0	70.0
C0782	4	20	7/28	0.015	0.38	0.032	0.81	0.236	5.99	11.0	9.1	39.0	70.0
C0783	6	20	7/28	0.015	0.38	0.032	0.81	0.276	7.01	11.0	9.1	37.0	66.0
C0784	8	20	7/28	0.015	0.38	0.032	0.81	0.297	7.54	11.0	9.1	37.0	66.0
C0785	10	20	7/28	0.015	0.38	0.032	0.81	0.345	8.76	11.0	7.9	37.0	66.0
C0786	15	20	7/28	0.015	0.38	0.032	0.81	0.393	9.98	11.0	7.9	37.0	66.0
C0787	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

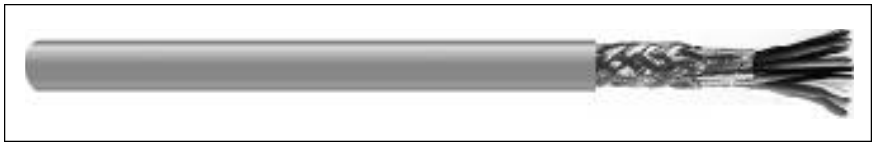
Color Code Chart Per ICEA

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		

CMG Certified
Canadian Standard Association

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 Ω/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

CAROL BRAND

CMG Certified Canadian Standard Association

BICCGeneral

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

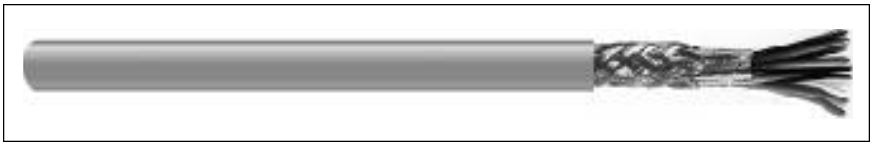
Jacket:
- PVC, gray
- Temperature Range: –20°C to +80˚C

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 Ω/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

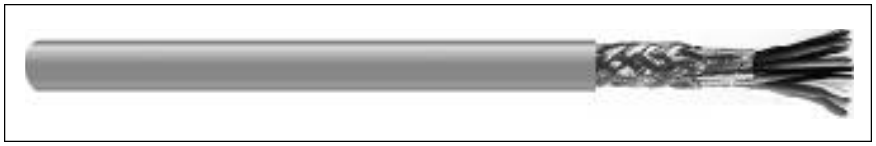
Color Code Chart Per ICEA

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		

CMG Certified
Canadian Standard Association

Multi-Conductor, Foil/Braid Shield, Lo-Cap®

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



CATALOG NUMBER	NO. OF COND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR Ω/kft		NOMINAL CAP.* pF/ft	
		INCHES	mm	INCHES	mm	INCHES	mm	COND.	SHLD.	A	B
28 AWG (7/36): CL2, CSA CMH											
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
24 AWG (7/32): CM (UL) c(UL) CMH											
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 Ω (28 AWG); ≈100 Ω (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		

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

CAROL BRAND

CMH Certified Canadian Standard Association

BICCGeneral

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

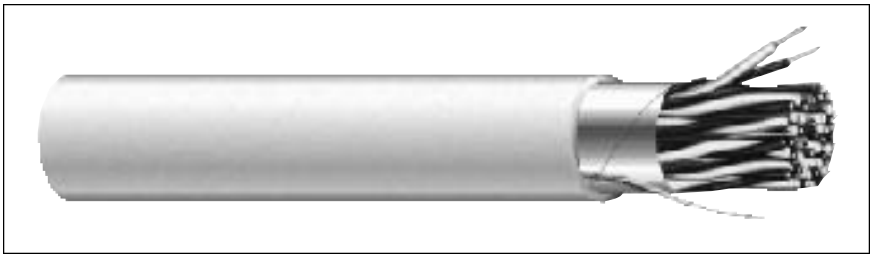
Jacket:
- PVC, gray
- Temperature Range: –20˚C to + 80˚C

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 Ω/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

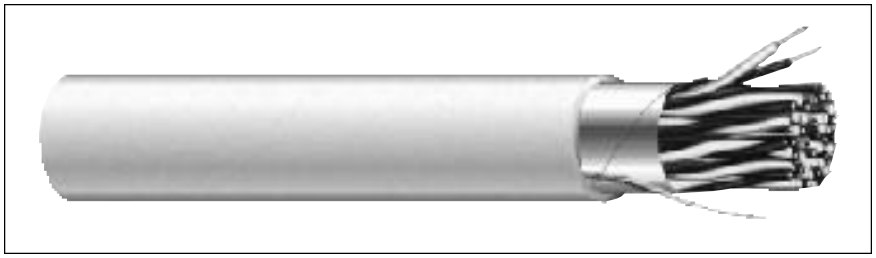
Color Code Chart

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		

CMG Certified
Canadian Standard Association

Multi-Paired, Foil Shield

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



CATALOG NUMBER	NO. OF PAIRS	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR Ω/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		

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

CAROL BRAND

CMG Certified
Canadian Standard Association

BICC General

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

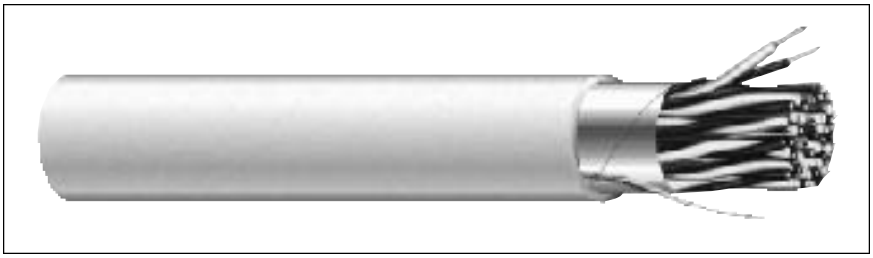
Shield:
- 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out
- Stranded tinned copper drain wire

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 IN	NOM. INSULATION THICKNESS mm	NOM. JACKET THICKNESS IN	NOM. JACKET THICKNESS mm	NOMINAL O.D. IN	NOMINAL O.D. mm	NOMINAL DCR Ω/kft COND.	NOMINAL DCR Ω/kft SHLD.	VEL. OF PROP., %	NOM. IMP., Ω	NOMINAL CAP.* pF/ft A	NOMINAL CAP.* pF/ft B
C0890	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
C0901	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
C0893	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
C0899	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
C0897	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

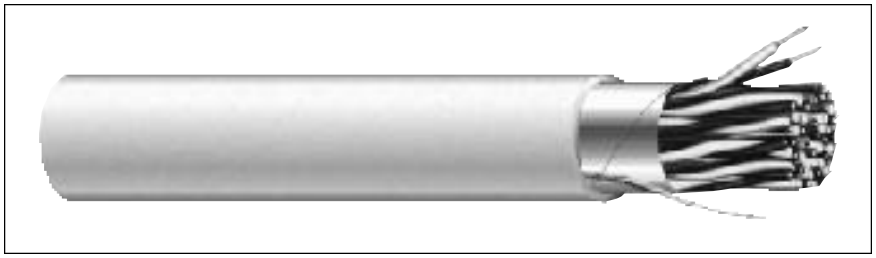
Color Code Chart

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			

CMH Certified Canadian Standard Association

Multi-Paired, Foil Shield, Lo-Cap®

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



CATALOG NUMBER	NO. OF PAIRS	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS IN	NOM. INSULATION THICKNESS mm	NOM. JACKET THICKNESS IN	NOM. JACKET THICKNESS mm	NOMINAL O.D. IN	NOMINAL O.D. mm	NOMINAL DCR Ω/kft COND.	NOMINAL DCR Ω/kft SHLD.	VEL. OF PROP., %	NOM. IMP., Ω	NOMINAL CAP.* pF/ft A	NOMINAL CAP.* pF/ft B
C0615	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
C0616	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
C0617	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
C0618	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
C0619	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					

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

CMH Certified Canadian Standard Association

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

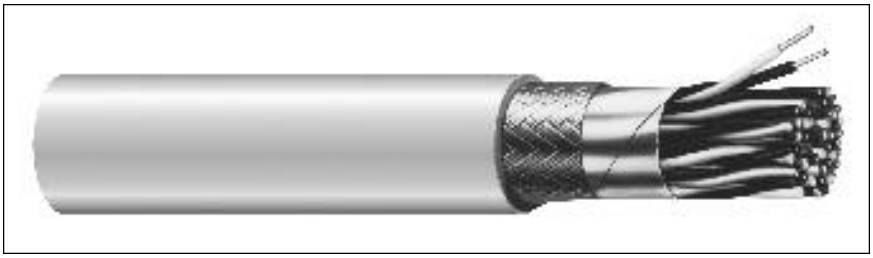
Jacket:
- PVC, gray
- Temperature Range: –20°C to + 80°C

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 Ω/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

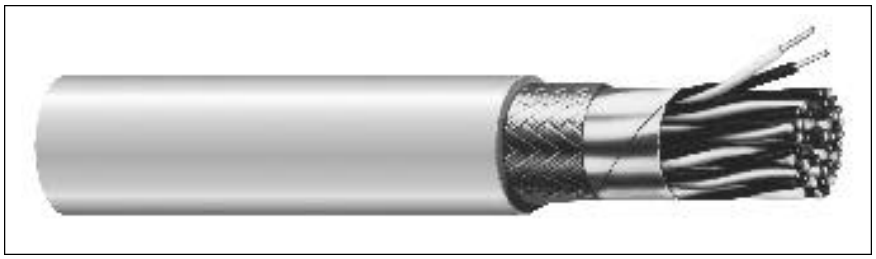
Color Code Chart

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			

CMG Certified Canadian Standard Association

Multi-Paired, Foil/Braid Shield

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



CATALOG NUMBER	NO. OF PAIRS	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR Ω/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			

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

CAROL BRAND

CMG Certified
Canadian Standard Association

BICC General

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

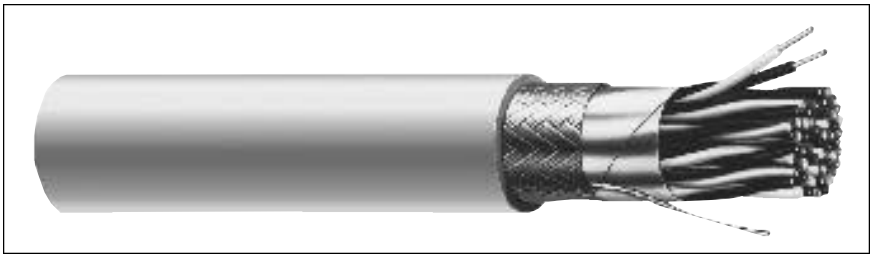
Jacket:
- PVC, gray
- Temperature Range: –20˚C to + 80˚C

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 IN	NOM. INSULATION THICKNESS mm	NOM. JACKET THICKNESS IN	NOM. JACKET THICKNESS mm	NOMINAL O.D. IN	NOMINAL O.D. mm	NOMINAL DCR Ω/kft COND.	NOMINAL DCR Ω/kft SHLD.	VEL. OF PROP., %	NOM. IMP., Ω	NOMINAL CAP.* pF/ft A	NOMINAL CAP.* pF/ft B
C0841	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
C0842	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
C0843	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
C0844	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 IN	NOM. INSULATION THICKNESS mm	NOM. JACKET THICKNESS IN	NOM. JACKET THICKNESS mm	NOMINAL O.D. IN	NOMINAL O.D. mm	NOMINAL DCR Ω/kft COND.	NOMINAL DCR Ω/kft SHLD.	VEL. OF PROP., %	NOM. IMP., Ω	NOMINAL* CAP. pF/ft A	NOMINAL* CAP. pF/ft B
C4841	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
C4842	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
C4843	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
C4844	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

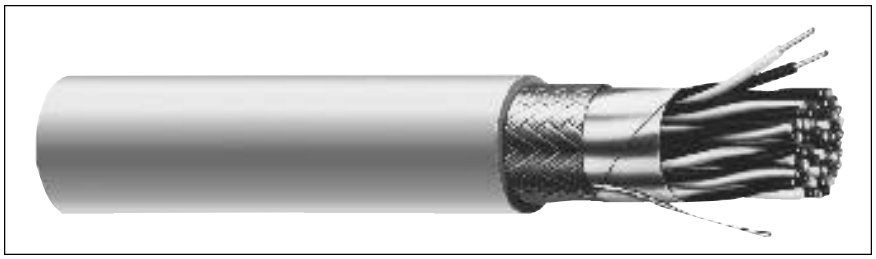
Color Code Chart

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

CMH Certified
Canadian Standard Association

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

UL 2960, NEC Type CL2



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

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

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

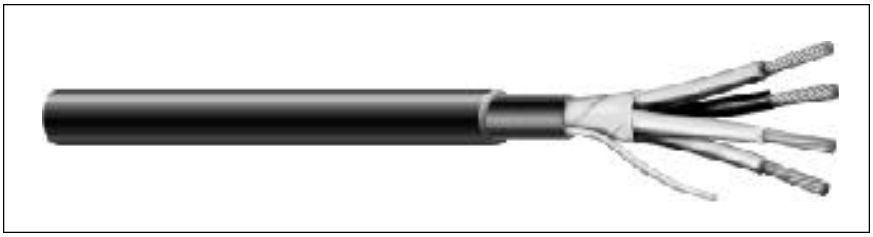
Shield:
- 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out
- Solid tinned copper drain wire
- 68% tinned copper braid

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 IN	NOM. INSULATION THICKNESS mm	NOM. JACKET THICKNESS IN	NOM. JACKET THICKNESS mm	NOMINAL O.D. IN	NOMINAL O.D. mm	NOMINAL DCR Ω/kft COND.	NOMINAL DCR Ω/kft SHLD.	VEL. OF PROP., %	NOM. IMP., Ω	NOMINAL CAP.* pF/ft A	NOMINAL CAP.* pF/ft B
UL Style 2582, CM (UL) c(UL) CMH, 150V															
C8004	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
Solid Tinned Copper, Color Code Chart #1															
UL Style 2919, MP/CM (UL) c(UL) CMH, 30V															
C8006	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
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

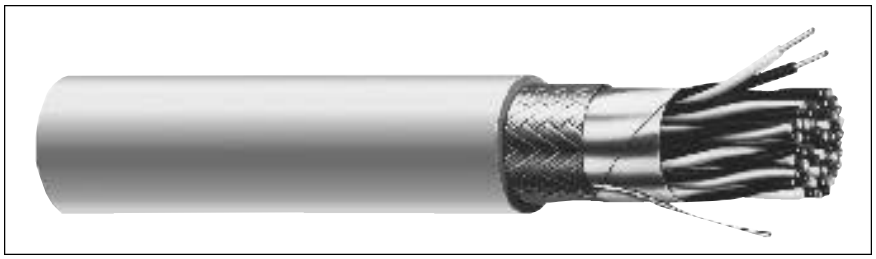
Color Code Chart #2

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

CMH Certified Canadian Standard Association

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 Ω/kft		VEL. OF PROP., %	NOM. IMP., Ω	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

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

CAROL BRAND

CMH Certified
Canadian Standard Association

BICC General

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

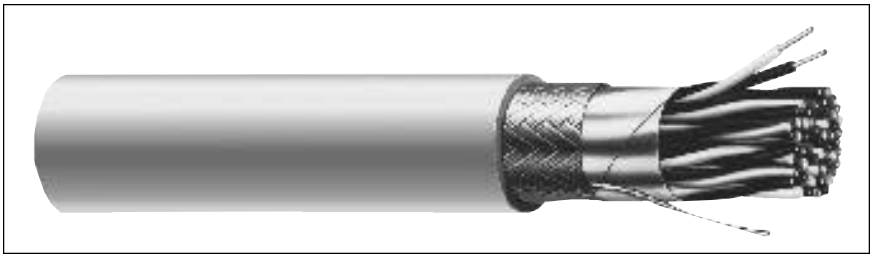
Jacket:
- PVC gray
- Temperature Range: –20˚C to + 80˚C

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 IN	NOM. INSULATION THICKNESS mm	NOM. JACKET THICKNESS IN	NOM. JACKET THICKNESS mm	NOMINAL O.D. IN	NOMINAL O.D. mm	NOMINAL DCR Ω/kft COND.	NOMINAL DCR Ω/kft SHLD.	VEL. OF PROP., %	NOM. IMP., Ω	NOMINAL CAP.* pF/ft A	NOMINAL CAP.* pF/ft 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

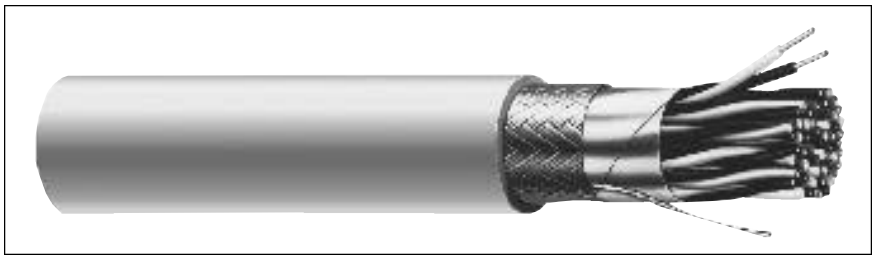
NO. OF PAIRS	COLOR	NO. OF PAIRS	COLOR	NO. OF PAIRS	COLOR
1	White—Blue Stripe Blue—White Stripe	10	Red—Gray Stripe Gray—Red Stripe	18	Yellow—Green Stripe Green—Yellow Stripe
2	White—Orange Stripe Orange—White Stripe	11	Black—Blue Stripe Blue—Black Stripe	19	Yellow—Brown Stripe Brown—Yellow Stripe
3	White—Green 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

CMH Certified Canadian Standard Association

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 IN	NOM. INSULATION THICKNESS mm	NOM. JACKET THICKNESS IN	NOM. JACKET THICKNESS mm	NOMINAL O.D. IN	NOMINAL O.D. mm	NOMINAL DCR Ω/kft COND.	NOMINAL DCR Ω/kft SHLD.	VEL. OF PROP., %	NOM. IMP., Ω	NOMINAL CAP.* pF/ft A	NOMINAL CAP.* pF/ft 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

CMH Certified Canadian Standard Association

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

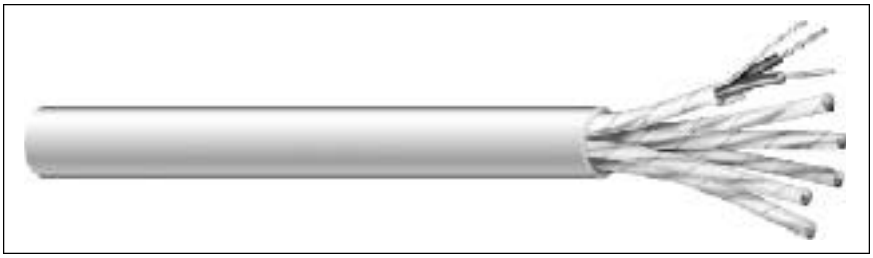
Jacket:
- PVC, gray
- Temperature Range: –20°C to + 80°C

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 Ω/kft		VEL. OF PROP., %	NOM. IMP., Ω	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

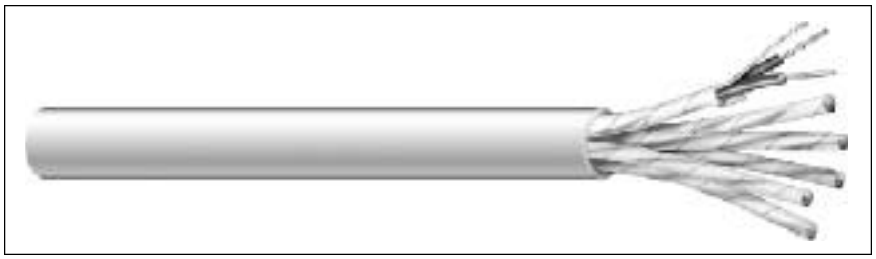
Color Code Chart

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

CMH Certified Canadian Standard Association

Multi-Paired, Individually Foil Shielded

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



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

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

CAROL BRAND

CMG Certified
Canadian Standard Association

BICC General

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

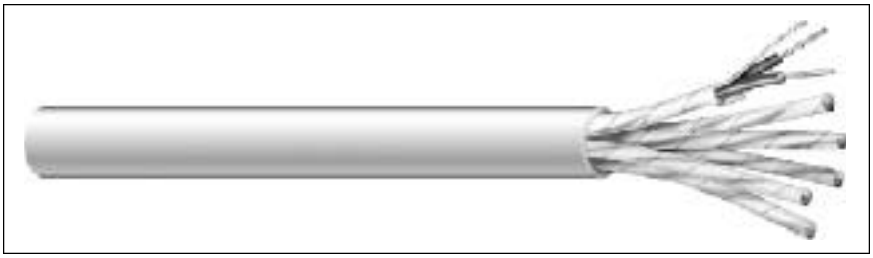
Jacket:
- PVC, gray
- Temperature range: – 20˚C to +75°C

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.* pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
C1368	4	20	7/28	0.015	0.38	0.032	0.81	0.364	9.25	27.0	49.0

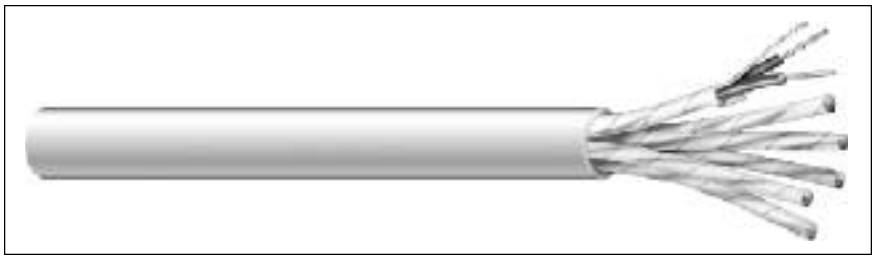
*A - Capacitance between conductors
*B - Capacitance between one conductor and other conductors connected to shield

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



CATALOG NUMBER	NO. OF PAIRS	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR Ω/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		

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

CMH Certified
Canadian Standard Association

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 IN	NOM. INSULATION THICKNESS mm	NOM. JACKET THICKNESS IN	NOM. JACKET THICKNESS mm	NOMINAL O.D. IN	NOMINAL O.D. mm	NOMINAL DCR Ω/kft C	NOMINAL DCR Ω/kft D	NOMINAL DCR Ω/kft E	VEL. OF PROP., %	NOM. IMP., Ω	NOMINAL CAP.* pF/ft A	NOMINAL CAP.* pF/ft B
C0924	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
C0925	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
C0926	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

CMH Certified
Canadian Standard Association