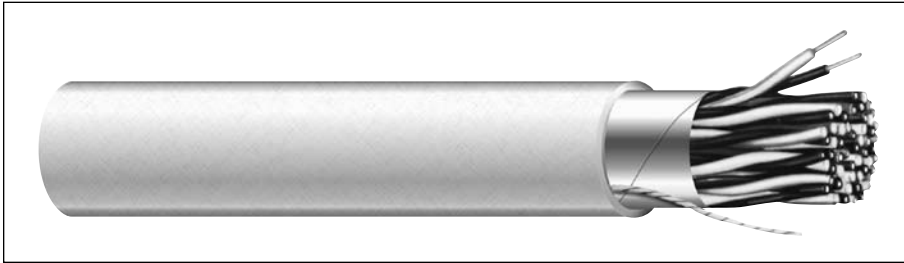


Multi-Paired, Foil Shield

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



Product Construction:

Conductor:

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

Insulation:

- Premium-grade, color-coded S-R PVC
- Color code: See chart below

Shield:

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

Jacket:

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

Applications:

- Audio systems
- Communication circuits
- Instrumentation and control use
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800 Type CM (UL: 75°C, 300V)
- CSA CMG (CSA: 60°C)
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMG Flame Test

Packaging:

- Please contact Customer Service for packaging and color options

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
C7104A†	1	22	7/0096	0.013	0.33	0.035	0.89	0.185	4.70	35.0	62.0
C1670A	2	22	Solid	0.010	0.25	0.032	0.81	0.218	5.54	32.0	57.0
C1676A	4	22	Solid	0.010	0.25	0.032	0.81	0.249	6.32	28.0	50.0
C1671A	6	22	Solid	0.010	0.25	0.032	0.81	0.292	7.42	25.0	45.0
C1672A	9	22	Solid	0.010	0.25	0.032	0.81	0.338	8.59	25.0	45.0
C1673A	15	22	Solid	0.010	0.25	0.032	0.81	0.419	10.64	25.0	45.0

*A – Capacitance between conductors

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

† Also UL Style 2464 (UL: 80°C, 300V)

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		



Underwriters Laboratories Inc.



Multi-Paired, Foil Shield

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

Product Construction:

Conductor:

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

Insulation:

- Premium-grade, color-coded S-R PVC
- Color code: See chart below

Shield:

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

Jacket:

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



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
C6451A	51	22	Solid	0.010	0.25	0.050	1.27	0.715	18.16	25.0	45.0

*A - Capacitance between conductors

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

Applications:

- Intercom systems
- Sound systems
- Electronic instrumentation control systems
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800 Type CM (UL: 75°C, 300V)
- UL Style 2095 (UL: 80°C, 300V)
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test

Packaging:

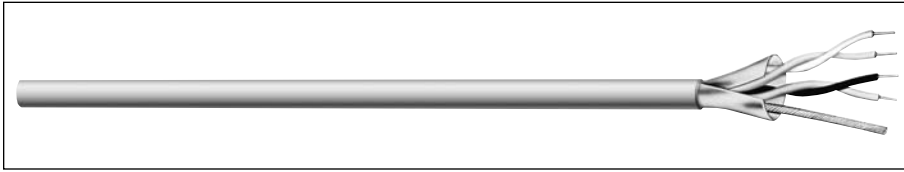
- Please contact Customer Service for packaging and color options

Color Code Chart

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

Multi-Paired, Foil Shield

NEC Type CMP (UL) c(UL)



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

22 AWG CONDUCTORS

C3204	1	22	7/30	0.006	0.15	0.010	0.25	0.117	2.97	31.0	55.8
C3205	2	22	7/30	0.006	0.15	0.010	0.25	0.151	3.84	25.0	45.0
C3206	3	22	7/30	0.006	0.15	0.010	0.25	0.177	4.50	25.0	36.0
C3207	4	22	7/30	0.006	0.15	0.010	0.25	0.200	5.08	20.0	45.0
C3208	6	22	7/30	0.006	0.15	0.010	0.25	0.237	6.02	18.0	32.4

24 AWG CONDUCTORS

C3150	2	24	7/32	0.006	0.15	0.010	0.25	0.130	3.30	22.0	39.6
C3153	3	24	7/32	0.006	0.15	0.010	0.25	0.152	3.86	18.0	32.4
C3151	4	24	7/32	0.006	0.15	0.010	0.25	0.170	4.32	17.0	30.6
C3165	6	24	7/32	0.006	0.15	0.010	0.25	0.200	5.08	17.0	30.6
C3152	12.5	24	7/32	0.006	0.15	0.012	0.30	0.290	7.04	17.0	30.6

*A - Capacitance between conductors

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

Color Code Chart

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

Product Construction:

Conductor:

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

Insulation:

- Premium-grade, color-coded fluoropolymer
- Color code: See chart below

Shield:

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

Jacket:

- Fluoropolymer, natural
- Temperature range: -40°C to +150°C
- Sequential footage marked to facilitate installation
- Includes ripcord

Applications:

- EIA RS-232 circuits
- Remote control circuits
- Process control and instrumentation
- Power-limited control circuits
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800 (UL: 150°C, 300V)
- Designed to meet NFPA 262 and CSA FT-6 Steiner Tunnel Fire Tests for Plenum Applications

Features:

- Water-resistant jacket

Packaging:

- Please contact Customer Service for packaging and color options

CAROL BRAND



Designed to Meet
NFPA 262 and CSA FT-6
Steiner Tunnel Fire Tests
for Plenum Applications

Underwriters Laboratories Inc.

General Cable

Multi-Paired, Foil Shield

NEC Type CMP (UL) c(UL)

Product Construction:

Conductor:

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

Insulation:

- Premium-grade, color-coded FEP
- Color code: See chart below

Separator:

- Polyester tape with 25% overlap

Shield:

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

Jacket:

- FEP, red or as requested
- PVDF, red or as requested

C8101, C8103, C8104

- Temperature range: -40°C to +200°C

C8109

- Temperature range: -40°C to +150°C



CATALOG NUMBER	NO. OF PAIRS	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. CAP.* pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
C8101	1	18	19/30	0.007	0.18	0.016	0.41	0.165	4.19	51.0	95.0
C8104	1	18	19/30	0.007	0.18	0.016	0.41	0.165	4.19	51.0	95.0
C8103	1	22	7/30	0.006	0.15	0.014	0.36	0.120	3.05	35.0	65.0
C8109**	1	22	7/30	0.006	0.15	0.016	0.41	0.122	3.10	35.0	65.0

*A - Capacitance between conductors

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

** FEP jacket

Color Code Chart

NO. OF PAIRS	COLOR
1	Black and Red

Applications:

- Computer systems
- Remote control circuits
- Process control and instrumentation
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800
- Designed to meet NFPA 262 and CSA FT-6 Steiner Tunnel Fire Tests for Plenum Applications

Features:

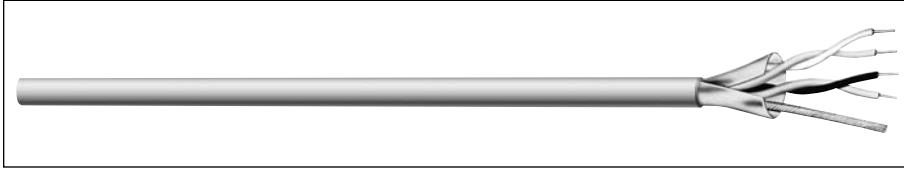
- Fire-retardant, low-smoke jacket

Packaging:

- Please contact Customer Service for packaging and color options
- 1000' (305m) reels

Multi-Paired, Foil Shield

NEC Type CMP (UL) c(UL)



CATALOG NUMBER	NO. OF PAIRS	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. CAP.*	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
C8118	2	24	7/32	0.014	0.15	0.015	0.38	0.203	5.16	12.0	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	White/Blue paired with Blue/White
2	White/Orange paired with Orange/White

Product Construction:

Conductor:

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

Insulation:

- Premium-grade, color-coded foam FEP
- Color code: See chart below

Separator:

- Polyester tape with 25% overlap

Shield:

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

Jacket:

- PVDF, gray or as requested
- Temperature range: -40°C to +150°C

Applications:

- Computer systems
- Remote control circuits
- Process control and instrumentation
- Suitable for RS232, RS422, RS485
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800
- Designed to meet NFPA 262 and CSA FT-6 Steiner Tunnel Fire Tests for Plenum Applications

Features:

- Fire-retardant, low-smoke jacket

Packaging:

- Please contact Customer Service for packaging and color options



Designed to Meet
 NFPA 262 and CSA FT-6
 Steiner Tunnel Fire Tests
 for Plenum Applications

Underwriters Laboratories Inc.



Multi-Paired, Foil Shield

NEC Type CMP (UL) c(UL)

Product Construction:

Conductor:

- 24, 22 and 18 AWG fully annealed stranded tinned copper per ASTM B-33

Insulation:

- Premium-grade, color-coded FEP
- Color code: See chart below

Separator:

- Polyester tape with 25% overlap

Shield:

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

Jacket:

- Flexguard® PVC, natural or as requested
- Temperature range: -20°C to +75°C

Applications:

- Computer systems
- Remote control circuits
- Process control and instrumentation
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800
- Designed to meet NFPA 262 and CSA FT-6 Steiner Tunnel Fire Tests for Plenum Applications

Features:

- Fire-retardant, low-smoke jacket

Packaging:

- Please contact Customer Service for packaging and color options



CATALOG NUMBER	NO. OF PAIRS	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. CAP.* pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
C8127	1	24	7/32	0.006	0.15	0.014	0.36	0.108	2.69	30.0	60.0
C8113	3	24	7/32	0.006	0.15	0.014	0.36	0.161	4.09	25.0	45.0
C8126	1	22	7/30	0.006	0.15	0.014	0.36	0.120	3.05	35.0	65.0
C8123	1	18	19/30	0.007	0.18	0.014	0.36	0.160	4.06	51.0	90.0

*A - Capacitance between conductors

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

C8124**	1	22	7/30	0.007	0.18	0.017	0.43	0.128	3.25	32.0	62.0
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*A - Capacitance between conductors

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

**This item does not have a separator and has a shield fusible to the jacket to facilitate removal along with the jacket while stripping.

Color Code Chart

NO. OF PAIRS	COLOR
1	Black and Red

C8113 NO. OF PAIRS	COLOR
1	Black paired with White
2	Black paired with Red
3	Black paired with Green

Multi-Paired, Foil Shield

NEC Type CMP (UL) c(UL) and/or CL2P



CATALOG NUMBER	NO. OF PAIRS	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. CAP.*	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
22 AWG, CL2P, c(UL) 150 VOLTS											
C3352	2	22	7/30 TC	0.007	0.180	0.010	0.25	0.157	3.99	37.0	66.0
C3353	3	22	7/30 TC	0.007	0.180	0.010	0.25	0.194	4.42	30.0	53.0
C3354	4	22	7/30 TC	0.007	0.180	0.010	0.25	0.207	4.75	30.0	53.0
C3356	6	22	7/30 TC	0.007	0.180	0.010	0.25	0.246	5.74	27.0	48.0
18 AWG, CL2P/CMP, c(UL) 150 VOLTS											
C3362	2	18	7/26 BC	0.008	0.020	0.010	0.25	0.205	5.21	44.0	79.0
C3364	4	18	7/26 BC	0.008	0.020	0.010	0.25	0.277	7.04	33.0	59.0

*A - Capacitance between conductors

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

Color Code Chart

NO. OF PAIRS	COLOR
1	Black & Yellow
2	Red & Violet
3	Dark Blue & Brown
4	Orange & Dark Green
5	Pink & Gray
6	Tan & White

Product Construction:

Conductor:

- 22 and 18 AWG fully annealed stranded tinned copper per ASTM B-33 or stranded bare copper per ASTM B-3

Insulation:

- Premium-grade, color-coded Flexguard® PVC
- Color code: See chart below

Shield:

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

Jacket:

- Fluoropolymer, natural
- Temperature range: -20°C to +75°C
- Sequential footage marked to facilitate installation
- Includes ripcord

Applications:

- EIA RS-232 circuits
- Remote control circuits
- Process control and instrumentation
- Power-limited control circuits
- Suggested voltage rating: 150 volts

Compliances:

- NEC Article 800 (UL: 75°C, 300V)
- NEC Article 725 (UL: 75°C, 150V)
- Designed to meet NFPA 262 and CSA FT-6 Steiner Tunnel Fire Tests for Plenum Applications

Features:

- Abrasion-, chemical- and water-resistant jacket

Packaging:

- Please contact Customer Service for packaging and color options



Designed to Meet
 NFPA 262 and CSA FT-6
 Steiner Tunnel Fire Tests
 for Plenum Applications
 Underwriters Laboratories Inc.

