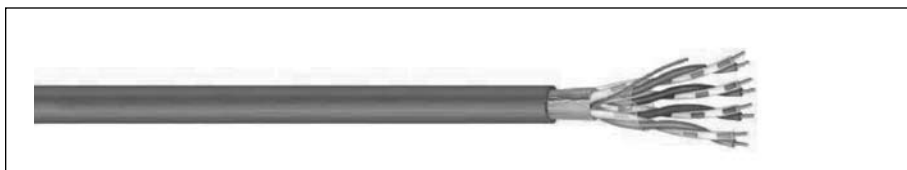


Audio/Video & Home Entertainment Cable

8



General Cable offers a variety of Carol® Brand wire and cable for audio/video and direct burial applications. From field production cable to microphone, snake, guitar and speaker cable, General Cable supports the increasingly demanding entertainment industry.

For extreme hard service, General Cable's rubber microphone cables offer the ultimate in performance and service life. The rubber designs are highly flexible and designed to lie flat on studio floors, as well as provide high impact and abrasion resistance.

For outdoor and cold weather applications, microphone cable jacketed with Carolprene® provides the ultimate protection against ozone, oil and ultraviolet radiation.

These technically sophisticated cables are required to contain sources of interference and to protect against difficulties where they are unavoidable. In addition to providing the needed electrical characteristics, the cables are properly designed to handle demanding conditions, such as microphone hum, handling noise, crosstalk, electrostatic hum, SCR noise and common ground noise—either on stage, in a studio or at a remote venue.

For more information on these cables or for other special applications, please contact your General Cable sales representative.

Index	Page
Command® Series Home Entertainment Cables Guide	147-148
Command® Series Cruise Ship Cables Guide	149-150
Command® Series Speaker Cable	151-155
Speaker Wire	156
Superflex® Speaker Wire	157
Pro Audio Speaker Wire	158
Special Audio, Communication & Instrumentation	159-161
Low Skew 4-Pair UTP	162
SmartWrap™ Bundled Cable	163
Direct Burial, Audio & Communication	164-165
Digital Audio Snake Cable	166
Analog Audio Snake Cable	167-168
Guitar/Instrument Cable	169
Ultra Flexible, Low Impedance 2-Conductor Microphone Cable	170
Multi-Conductor, Flexfoil® Shield	171
Multi-Conductor, Rubber, Braid Shield Microphone Cable	172
Multi-Conductor, Spiral Shield	173
Multi-Conductor, Braid Shield	174
Microphone Cable, Multi-Conductor, Carolprene®, Braid Shield	175
SMPTE-311 Hybrid Fiber Optic/ Copper Camera Cable	176
Electronic News Gathering/Field Production Camera Cable	177

**CAROL
BRAND**

 **General Cable**

Command® Series Home Entertainment Cables

**CAROL
BRAND**

**ELECTRONICS
WIRE & CABLE**


Carol® Brand Command® Series Speaker Cables offer outstanding performance at an affordable price. The cables are highly flexible and available in a wide variety of options for in-wall use for home theaters as well as high definition applications. Whether your choice of speaker cable is constructed with Oxygen-Free Copper (OFC) or the more universally accepted Tough Pitch Copper (ETP), your speaker system will perform as designed and to your expectations.

- OFC copper is defined as 99.95% pure. The refining process provides reduced oxygen content and other impurities.
- High Conductive Electrolytic Tough Pitch Copper is the most widely used refined copper within the electronic cable industry. It is defined as 99.9%-99.94% oxygen-free and provides the same level of conductivity as OFC.

There are a number of considerations to be made when choosing the proper speaker cable:

- Choose the proper AWG size for your system design (Speaker Impedance, 4 or 8 ohm) and acceptable loss for the required cable distance.
- Choose an acceptable stranding that will provide both ease of installation and flexibility.
- Choose a cable that is appropriate to the installation relative to any building standards or codes.
 1. UL/CSA
 2. NEC Riser, Plenum
- Select individual jacket colors as necessary to contribute to room or circuit identification.
- Most importantly, choose the cable that you feel comfortable with. If you are convinced that OFC provides a benefit that you can hear, select our OFC product. If you choose our speaker cables that utilize our high-conductive ETP, you will have selected a cable with the same resistance for equal cable run distances. The cable resistance is the primary selection criteria.

Command® Series PREMIUM-Grade Speaker Cable NEC Type CL2

Applications:

Digital audio with high strand, rope lay construction for superior flexibility

Catalog No.	Conductors	AWG (Stranding)	Length
C1458.55.90	2	16 (105 x 36)	25' Coil
C1458.56.90	2	16 (105 x 36)	50' Coil
C1458.57.90	2	16 (105 x 36)	100' Coil
C1458.15.90	2	16 (105 x 36)	250' Spool
C1461.55.90	2	14 (105 x 34)	25' Coil
C1461.56.90	2	14 (105 x 34)	50' Coil
C1461.57.90	2	14 (105 x 34)	100' Coil
C1461.15.90	2	14 (105 x 34)	250' Spool
C1463.55.90	2	12 (259 x 36)	25' Coil
C1463.56.90	2	12 (259 x 36)	50' Coil
C1463.15.90	2	12 (259 x 36)	250' Spool

Command® Series Home Entertainment Speaker Cable NEC Type CL3, CM, AWM 1/11 A/B

Applications:

In-wall speakers and home theater systems

Catalog No.	Conductors	AWG (Stranding)	Length
C1700	2	12 (65 x 30)	500' Boxes
C1701	4	12 (65 x 30)	500' Boxes
C1702	2	14 (41 x 30)	500' Boxes
C1703	4	14 (41 x 30)	500' Boxes
C1704	2	16 (26 x 30)	500' Boxes
C1705	4	16 (26 x 30)	500' Boxes

Command® Series "HIGH DEF" Home Entertainment Speaker Cable NEC Type CL3, CM, AWM 1/11 A/B

Applications:

High definition, flexible in-wall speakers and home theater systems

Features:

Oxygen-Free Cu Conductors
Semi-extruded jacket provides a uniform round cable construction

Catalog No.	Conductors	AWG (Stranding)	Length
C1800	2	12 (105 x 32)	500' Reels
C1801	4	12 (105 x 32)	500' Reels
C1802	2	14 (105 x 34)	500' Boxes
C1803	4	14 (105 x 34)	500' Reels
C1804	2	16 (65 x 34)	500' Boxes
C1805	4	16 (65 x 34)	500' Boxes

Command® Series Home Entertainment Cables

ELECTRONICS
WIRE & CABLE

Command® Series Speaker Wire UL Listed (Wires, Misc)

Applications:

Digital audio, stereo systems

Catalog No.	Conductors	AWG (Stranding)	Length
C1356	2	24 (7 x 32)	500' Reels
C1362	2	22 (7 x 30)	500' Reels
C1360	2	20 (10 x 30)	500' Reels
C1357	2	18 (16 x 30)	500' Reels
C1358	2	16 (26 x 30)	500' Reels
C1361	2	14 (41 x 30)	500' Reels
C1363	2	12 (65 x 30)	500' Reels

Command® Series Twisted Pair Speaker Cable NEC Type CMR

Applications:

Home theaters, home audio systems

Catalog No.	Conductors	AWG (Stranding)	Length
C1000A	2	22 (7 x 30)	500' Reels
C1001A	2	20 (7 x 28)	500' Reels
C1002A	2	18 (7 x 26)	500' Reels
C1003A	2	16 (19 x 29)	500' Reels
C1004A	2	14 (42 x 30)	500' Reels
C1005A	2	12 (65 x 30)	500' Reels

Commercial-Grade Speaker Cables NEC Type CMR

Applications:

Movie theaters, commercial sound installations

Catalog No.	Conductors	AWG (Stranding)	Length
E1042S	2	16 (19/.0117)	500' Reels
E1044S	4	16 (19/.0117)	500' Reels
E1052S	2	14 (19/.0147)	500' Reels
E1054S	4	14 (19/.0147)	500' Reels
E1062S	2	12 (19/.0185)	500' Reels
E1064S	4	12 (19/.0185)	500' Reels

Rubber Jacketed Microphone Cable—High- and Low-Impedance

Applications:

Low- and high-impedance microphones, broadcast and studio use, communication and audio systems, shielded power supplies, control circuits, video and audio interconnecting cables, suggested voltage rating of 300

Catalog No.	Conductors	AWG
C1300	1	#20 (26 x 34)
C1301	2	#18 (41 x 34)
C1302	2	#20 (26 x 34)



Command® Series Cruise Ship Cables

**CAROL
BRAND**

**ELECTRONICS
WIRE & CABLE**

General Cable's Carol® Brand Command Series Cruise Ship Cables are manufactured for use on cruise ships and yachts. These cables, which contain low smoke, zero halogen jackets, are designed to deliver premier audio, video and data communications capabilities aboard marine vessels.

The Carol Brand Command Series Cruise Ship Cables are RoHS compliant and approved by the American Bureau of Shipping (ABS) for use in marine applications.

ABS is the leading international organization committed to promoting the security of life, property and the natural environment primarily through the development and verification of standards for the design, construction and operational maintenance of marine-related facilities. Their stamp on Carol Brand Command Series Cruise Ship Cables means that our cables have been certified for product compliance and will perform reliably in marine and off-shore environments. For more information on ABS, please visit: www.eagle.org

When your cruise ship or yacht project requires high-quality performance, think of Carol Brand Command Series Cruise Ship Cables.

You can always *Demand Better...Expect More™* with General Cable Carol Brand Electronic cables. We manufacture over 1,300 standard electronic cables that we can ship direct from stock, and we have the technical staff and design expertise to meet any customer cable requirement.



Special Application Cable

Hook-Up Wire

Plenum Cable

Coaxial Cable

Microphone Cable

Computer Cable

General Purpose Cable

Multi-Conductor Communication
& Control Cable

Multi-Paired Communication
& Control Cable

Fire Alarm Cable

Sound & Security Cable

RoHS Compliant
Directive 2002/95/EC

ABS

UL
LISTED

CAROL
BRAND

Command® Series Cruise Ship Cables

ABS Listed

CAROL BRAND



ELECTRONICS WIRE & CABLE

Carol® Brand Command® Series Audio Control & Instrumentation Cable—Multi-Pair, Foil Shield

PART NUMBER	NO. OF PAIRS	AWG SIZE	COND. STRAND.	JACKET TYPE	JACKET COLOR/TEMPERATURE	NOMINAL O.D.		INSULATION TYPE	INSULATION THICKNESS		CONDUCTOR COLOR CODE	NOM. CAP.* pF/FT	
						INCHES	mm		INCHES	mm		A	B
C2520ACS	1 Pair	22	7/30 Tinned Copper	Flame Retardant Low Smoke Halogen Free Polyolefin PVC	Black/-30°C +75°C	0.162	4.11	-40°C to +105°C Polypropylene	0.008	0.20	Black - Red	35	67
C1352ACS	2 Pair	22	7/30 Tinned Copper	Flame Retardant Low Smoke Halogen Free Polyolefin PVC	Black/-30°C +75°C	0.196	4.98	-40°C to +105°C Polypropylene	0.008	0.20	P1: Black - Red, P2: Green - White	35	62
C6040ACS	3 Pair	22	7/30 Tinned Copper	Flame Retardant Low Smoke Halogen Free Polyolefin PVC	Black/-30°C +75°C	0.270	6.86	-40°C to +105°C Polypropylene	0.010	0.25	P1: Black - Red, P2: Black - White, P3: Black - Green	30	55

APPROVALS - (UL) c(UL) Listed Communication Cable Type CMG-LS 75°C, ABS Listed, & RoHS Compliant

*A - Capacitance between conductors

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

Carol® Brand Command® Series RG-6 Coaxial Cable

PART NUMBER	DESCRIPTION	JACKET TYPE	JACKET COLOR/TEMPERATURE	NOMINAL O.D.		INSULATION TYPE	INSULATION THICKNESS		NOM. IMP. (Ω)	NOMINAL VEL. OF PROP.	NOM. CAP.** pF/FT	NOMINAL ATTENUATION			
				INCHES	mm		INCHES	mm				MHz	dB/100 FT	MHz	dB/100 FT
C5775ACS	18 AWG Solid Copper-Clad Steel, Dual Shielded, CATV Coaxial Cable	Flame Retardant Low Smoke Halogen Free Polyolefin PVC	Black/-30°C +75°C	0.274	6.96	Gas Injected Foam Polyethylene	0.0700	1.78	75±3	83%	16.2	5.00	0.67	550	4.71
												55.00	1.60	750	5.59
												211.00	2.87	870	6.00
												270.00	3.24	1000	6.54
												300.00	3.43	1450	8.30
												350.00	3.72	1800	9.30
												400.00	4.00	2250	10.60
												450.00	4.26	3000	11.90
C5814ACS	18 AWG Solid Bare Copper, Dual Shielded, Video Coaxial Cable	Flame Retardant Low Smoke Halogen Free Polyolefin PVC	Black/-30°C +75°C	0.274	6.96	Gas Injected Foam Polyethylene	0.0700	1.78	75	82%	16.2	1.00	0.24	270	2.97
												3.58	0.45	360	3.43
												5.00	0.54	540	4.25
												7.00	0.63	720	4.95
												10.00	0.72	750	5.00
												67.50	1.57	1000	5.89
												71.50	1.60	1500	7.33
												88.50	1.75	2000	8.57
												100.00	1.84	2250	9.14
												135.00	2.10	3000	10.67
												143.00	2.16	4500	13.29
												180.00	2.42	—	—
C8029ACS	Element 1 - 18 AWG Solid Bare Copper, Video Coaxial Cable	Flame Retardant Low Smoke Halogen Free Polyolefin PVC	Black/-30°C +75°C	0.275	6.99	Gas Injected Foam Polyethylene	0.0700	1.78	75	83%	16.3	1.00	0.20	200	3.00
												5.00	0.45	400	4.30
												10.00	0.64	700	5.80
												50.00	1.46	900	6.70
												100.00	2.10	1000	7.10
												—	—	—	—
C8029ACS	Element 2 - 2 Cond. 18 AWG 7/.0152" Stranded Bare Copper, Power Pair	Flame Retardant Low Smoke Halogen Free Polyolefin PVC	Black/-30°C +75°C	0.186	4.72	-40°C to +105°C Polypropylene	0.0065	0.17	—	—	24**	—		—	
												—		—	

APPROVALS - (UL) c(UL) Listed Communication Cable Type CMG-LS 75°C, ABS Listed, & RoHS Compliant

** Capacitance between conductors

Carol® Brand Command® Series Category 5e Cable

PART NUMBER	DESCRIPTION	JACKET TYPE	JACKET COLOR/TEMPERATURE	NOMINAL O.D.		INSULATION TYPE	INSULATION THICKNESS		CONDUCTOR COLOR CODE	INPUT IMP. (Ω)	FREQUENCY	PSCAR ACR ATTENUATION PSNEXT NEXT PSELFEXT ELFEKT RL									
												VALUES ARE EXPRESSED IN dB PER 100m (328 FT) LENGTH									
												MIN.	MIN.	MAX.	MIN.	MIN.	MIN.	MIN.	MIN.	MIN.	MIN.
CR5ACS	4 Pair 24 AWG Solid Bare Copper ScTP Category 5e Cable	Flame Retardant Low Smoke Halogen Free Polyolefin PVC	Black/-20°C +75°C	0.260	6.60	Polyolefin	0.010	0.25	P1: White/Blue - Blue P2: White/Orange - Orange P3: White/Green - Green P4: White/Brown - Brown	100±15	0.772	62.2	65.2	1.8	64.0	67.0	63.0	66.0	—	—	—
												1.000	60.3	63.3	2.0	62.3	65.3	60.8	63.8	20.0	20.0
												4.000	49.2	52.2	4.1	53.3	56.3	48.7	51.7	23.0	23.0
												8.000	43.0	46.0	5.8	48.8	51.8	42.7	45.7	24.5	24.5
												10.000	40.8	43.8	6.5	47.3	50.3	40.8	43.8	25.0	25.0
												16.000	36.1	39.1	8.2	44.3	47.3	36.7	39.7	25.0	25.0
												20.000	33.5	36.5	9.3	42.8	45.8	34.7	37.7	25.0	25.0
												25.000	30.9	33.9	10.4	41.3	44.3	32.8	35.8	24.3	24.3
												31.250	28.2	31.2	11.7	39.9	42.9	30.9	33.9	23.6	23.6
												62.500	18.4	21.4	17.0	35.4	38.4	24.8	27.8	21.5	21.5
												100.000	10.3	13.3	22.0	32.3	35.3	20.8	23.8	20.1	20.1

APPROVALS - (UL) c(UL) Listed Communication Cable Type CMG-LS 75°C, ABS Listed, & RoHS Compliant

CAROL BRAND

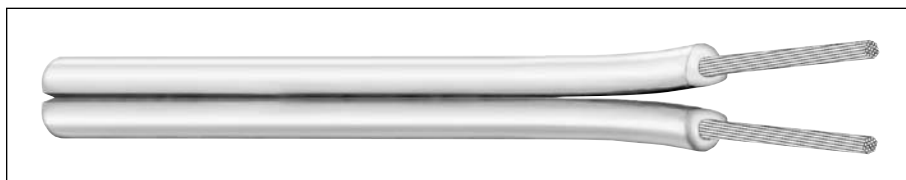


RoHS Compliant
Directive 2002/95/EC

General Cable

Command® Series Premium Grade Speaker Cable

NEC Type CL2



Product Description:

Command® Series Premium Grade Speaker Cable was designed to offer outstanding performance at an affordable price. The cables are highly flexible and can be used for in-wall installations, making them ideal for use in home theater systems.

The Premium Grade Speaker Cable is available in 250' spools for custom-cut lengths, and in 25-, 50- and 100-foot clamshells. The packaged cables are ideal for display on pegboard, gondolas or H-frame shelves.

Product Construction:

Conductor:

- 16 through 12 AWG fully annealed stranded bare copper conductor per ASTM B-3

Insulation:

- Premium-grade, clear PVC
- Temperature range: -20°C to +60°C

Applications:

- Digital audio
- Stereo systems
- In-wall speakers
- Home theater

Features:

- High-strand, rope-lay conductors give the cable extra flexibility
- Convenient footage and polarity markers, at one-foot intervals to make installation easy
- Paintable to match any décor

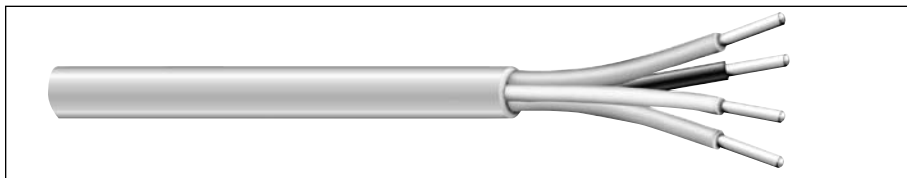
Compliances:

- NEC Article 725 Type CL2
- RoHS Compliant Directive 2002/95/EC

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	LENGTH	COLOR OF JACKET	PACKAGE TYPE	PKG PER CARTON	CARTON WEIGHT (LBS)	CARTON DIMENSIONS (H x W x D)	CARTON CUBE	UPC NUMBER
16 AWG CONDUCTORS											
C1458.55.90	2	16	66/34	25'	Clear	Coil	6	6.4	12.5 x 8.1 x 10.0	0.586	0 79407 76307 8
C1458.56.90	2	16	66/34	50'	Clear	Coil	6	10.4	12.5 x 8.1 x 10.0	0.586	0 79407 76308 5
C1458.57.90	2	16	66/34	100'	Clear	Coil	6	18.6	15.5 x 8.1 x 10.0	0.727	0 79407 76309 2
C1458.15.90	2	16	66/34	250'	Clear	Spool	1	8.5	6.6 x 6.6 x 6.3	0.159	0 79407 76273 6
14 AWG CONDUCTORS											
C1461.55.90	2	14	105/34	25'	Clear	Coil	6	8.5	12.5 x 8.1 x 10.0	0.586	0 79407 76310 8
C1461.56.90	2	14	105/34	50'	Clear	Coil	6	14.5	12.5 x 8.1 x 10.0	0.586	0 79407 76311 5
C1461.57.90	2	14	105/34	100'	Clear	Coil	6	27.0	15.5 x 8.1 x 10.0	0.727	0 79407 76312 2
C1461.15.90	2	14	105/34	250'	Clear	Spool	1	11.5	6.6 x 6.6 x 6.3	0.159	0 79407 76274 3
12 AWG CONDUCTORS											
C1463.55.90	2	12	259/36	25'	Clear	Coil	6	11.8	12.5 x 8.1 x 10.0	0.586	0 79407 76313 9
C1463.56.90	2	12	259/36	50'	Clear	Coil	6	21.4	15.5 x 8.1 x 10.0	0.727	0 79407 76314 6
C1463.15.90	2	12	259/36	250'	Clear	Spool	1	17.5	13.0 x 6.5 x 9.5	0.464	0 79407 76275 0

Command® Series Home Entertainment Speaker Cable

NEC Type CL3, CSA, CMG, AWM I/II A/B



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION WALL		NOM. JACKET THICKNESS		NOMINAL O.D.	
				INCHES	mm	INCHES	mm	INCHES	mm
C1700†	2	12	65/30	0.009	0.15	0.021	0.53	0.254	6.45
C1701†	4	12	65/30	0.009	0.15	0.021	0.53	0.299	7.59
C1702†	2	14	41/30	0.009	0.15	0.021	0.53	0.220	5.59
C1703†	4	14	41/30	0.009	0.15	0.021	0.53	0.257	6.53
C1704	2	16	26/30	0.009	0.15	0.021	0.53	0.191	4.85
C1705	4	16	26/30	0.009	0.15	0.021	0.53	0.222	5.64

†CL3, CSA AWM I/II A/B only

Color Code Chart

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

Product Construction:

Conductor:

- 12, 14, 16, or 18 AWG fully annealed, stranded bare copper per ASTM B-8

Insulation:

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

Jacket:

- PVC, command blue
- Temperature range: -20°C to +60°C

Applications:

- Digital audio
- Stereo systems
- In-wall speakers
- Home theater
- Remote control circuits
- Security systems
- Bi-amp speakers

Features:

- Flexible

Compliances:

- NEC Article 725 Type CL3 (UL: 60°C)
- CSA, CMG, AWM I/II A/B
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA FT-4 Vertical Flame Test

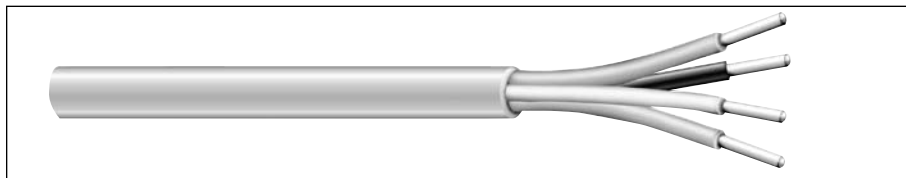
Packaging:

- Please contact Customer Service for packaging and color options



Command® Series OFHC Home Entertainment Speaker Cable

CL3 (UL), CM (UL) c(UL), CSA, CMG, CSA TYPE AWM



Product Construction:

Conductor:

- 16-12 AWG fully annealed, stranded oxygen-free high conductivity bare copper per ASTM B-170

Insulation:

- Premium-grade, color-coded polypropylene

Jacket:

- PVC, command blue
- Temperature range: -20°C to +60°C

Applications:

- Digital audio
- Stereo systems
- In-wall speakers
- Home theater
- Remote control circuits
- Security systems
- Bi-amp speakers

Features:

- Flexible
- High conductivity, oxygen-free

Compliances:

- NEC Article 725 Type CL3 (UL: 60°C)
- NEC Article 800 Type CM (UL: 60°C)
- CSA, CMG, (CSA: 80°C, 600V)
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA FT-4 Vertical Flame Test

Packaging:

- Please contact Customer Service for packaging and color options

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. C-C CAP.* pF/ft
				INCHES	mm	INCHES	mm	INCHES	mm	
C1800**	2	12	105/32	0.009	0.23	0.021	0.53	0.264	6.71	25.5
C1801**	4	12	105/32	0.009	0.23	0.021	0.53	0.311	7.90	25.5
C1802**	2	14	105/34	0.009	0.23	0.021	0.53	0.226	5.74	23.8
C1803**	4	14	105/34	0.009	0.23	0.021	0.53	0.265	6.73	23.8
C1804	2	16	64/34	0.009	0.23	0.021	0.53	0.196	4.98	22.1
C1805	4	16	65/34	0.009	0.23	0.021	0.53	0.228	5.79	22.1

*Capacitance between conductors

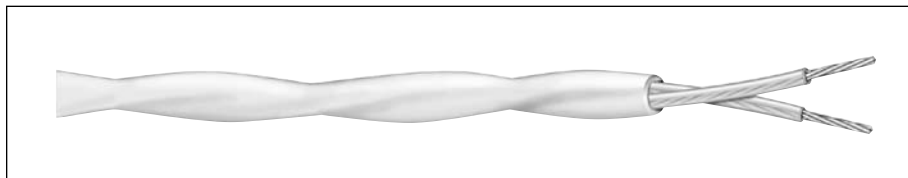
**NEC Type CL3 and CSA Type AWM Only

Color Code Chart

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

Command® Series Twisted Pair Speaker Cable

CMR (UL) c(UL) or CL3 (UL), AWM Style 2587



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

NEC Type CMR

C1000A	2	22	7/30	0.015	0.38	0.025	0.64	0.170	4.32	20.6
C1001A	2	20	7/28	0.013	0.33	0.025	0.64	0.178	4.52	24.5
C1002A	2	18	7/26	0.022	0.56	0.028	0.71	0.235	5.97	21.3
C1003A	2	16	19/.0117	0.023	0.58	0.032	0.81	0.274	6.96	23.5

NEC Type CL3, UL Style 2587 (600V)

C1004A*	2	14	41/30	0.031	0.79	0.032	0.81	0.340	8.64	30.3
C1005A*	2	12	65/30	0.032	0.81	0.035	0.89	0.386	9.80	32.6

*Capacitance between conductors.

Color Code Chart C1000A-C1001A

NO. OF COND.	COLORS
1	Black
2	Red

C1002A-C1005A

NO. OF COND.	COLORS
1	Black
2	White

Product Construction:

Conductor:

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

Insulation:

- Premium-grade, color-coded PVC
- Premium-grade, color-coded S-R PVC

Jacket:

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

Applications:

- Digital audio
- Stereo systems
- In-wall speakers
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800 Type CMR (UL, c(UL): 75°C)
- NEC Article 725 Type CL3 (UL, c(UL): 105°C)
- UL, c(UL) AWM Style 2587 (UL, c(UL): 90°C)
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test

Packaging and Jacket Colors:

- Please consult Customer Service for packaging and color options

CAROL BRAND



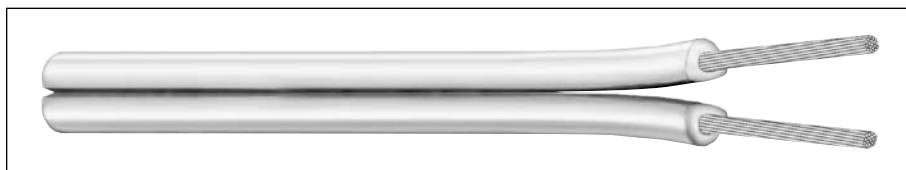
Designed to Meet
UL Vertical Tray
Flame Test
Underwriters Laboratories Inc.



General Cable

Command® Series Studio Grade Speaker Cable

NEC Type CL2



Product Description:

Command® Series Studio Grade Speaker Cable brings sounds to life. It is engineered to deliver the true fidelity of a music signal from the source to the speaker—maintaining the highest signal integrity for ultimate clarity. It is the perfect speaker cable for the discriminating audiophile.

Product Construction:

Conductor:

- 16 through 12 AWG fully annealed stranded silver-plated conductor per ASTM B-3

Insulation:

- Premium-grade, clear blue PVC
- Temperature range: 0°C to +60°C

Applications:

- Digital audio
- Stereo systems
- In-wall speakers

Features:

- Silver-plated conductor lowers electrical resistance for superior signal rendition
- High-strand, rope-lay conductors give the cable extra flexibility
- Convenient footage and polarity markers, at one-foot intervals to make installation easy
- Paintable to match any décor

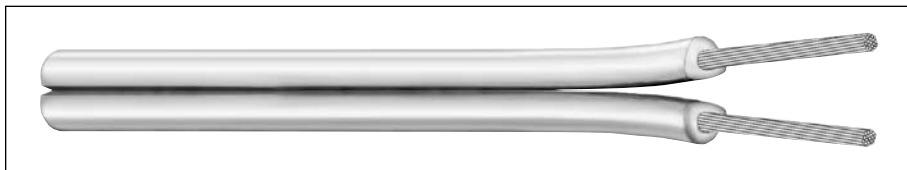
Compliances:

- NEC Article 725 Type CL2
- RoHS Compliant Directive 2002/95/EC

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	LENGTH	COLOR OF JACKET	PACKAGE TYPE	PKG PER CARTON	CARTON WEIGHT (LBS)	CARTON DIMENSIONS (H x W x D)	CARTON CUBE	UPC NUMBER
16 AWG CONDUCTORS											
C1558.15.92	2	16	105/36	250'	Clear Blue	Spool	1	8.5	6.6 x 6.6 x 6.3	0.159	0 79407 76276 7
14 AWG CONDUCTORS											
C1561.15.92	2	14	168/36	250'	Clear Blue	Spool	1	11.5	6.6 x 6.6 x 6.3	0.159	0 79407 76280 4
12 AWG CONDUCTORS											
C1563.15.92	2	12	259/36	250'	Clear Blue	Spool	1	17.5	13.0 x 6.5 x 9.5	0.464	0 79407 76280 4

Speaker Wire

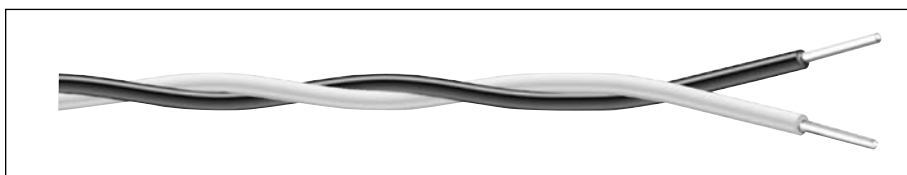
UL Listed or AWM Style 1007



CATALOG NUMBER	NUMBER OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOMINAL O.D.	
				INCHES	mm	INCHES	mm
C1356	2	24	7/32	0.016	0.41	0.058x0.117	1.47x2.79
C1362	2	22	7/30	0.020	0.51	0.070x0.145	1.77x3.68
C1360	2	20	10/30	0.020	0.51	0.085x0.160	2.16x4.06
C1357	2	18	16/30	0.020	0.51	0.083x0.181	2.11x4.60
C1358	2	16	26/30	0.020	0.51	0.105x0.210	2.67x5.33
C1361	2	14	41/30	0.025	0.64	0.125x0.235	3.18x5.69
C1363	2	12	65/30	0.025	0.64	0.154x0.323	3.91x8.20

Color Code Chart

ORDERING SUFFIX	COLORS
01	Black
02	White
08	Brown
10	Gray
90	Clear



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOMINAL O.D.	
				INCHES	mm	INCHES	mm
C7102A	2	18	7/.0152	0.020	0.51	0.172	4.37

Color Code Chart

ORDERING SUFFIX	STOCK COLOR
99	Black-White

Product Construction:

Conductor:

- 24 thru 12 AWG fully annealed one bare, one tin stranded copper per ASTM B-174

Insulation/Jacket:

- Premium-grade PVC
- Color code: See chart below

Applications:

- Digital audio
- Hi-fi and stereo speaker wire
- Jukeboxes
- Not for in-wall use
- Home theater

Compliances:

- UL Wires Misc.
- RoHS Compliant Directive 2002/95/EC

Packaging:

- Please contact Customer Service for packaging and color options

Product Construction:

Conductor:

- 18 AWG tinned annealed stranded copper
- Stranded tinned copper per ASTM B-33

Insulation:

- Premium-grade, color-coded PVC
- Temperature range: -30°C to +80°C
- Color code: See chart below

Applications:

- Audio systems
- Not for in-wall use

Compliances:

- UL Style 1007 (UL: 80°C, 900V)

Packaging:

- 1000' (305m) reels

CAROL BRAND



RoHS Compliant
Directive 2002/95/EC

General Cable

Superflex® Speaker Wire

UL Listed

Product Construction:

Conductor:

- 12 AWG fully annealed stranded bare copper conductor per ASTM B-3

Insulation/Jacket:

- Premium-grade, clear Superflex® PVC
- Temperature range: -20°C to +60°C
- Color code: See chart below

Applications:

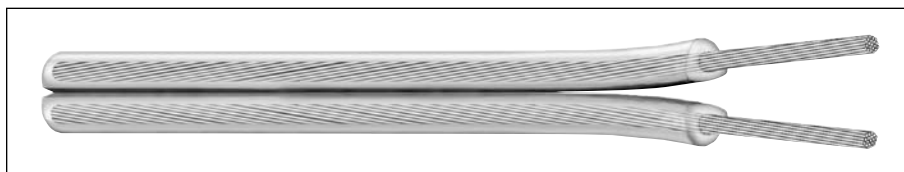
- Digital audio
- Hi-fi and stereo speaker wire
- Jukeboxes
- Not for in-wall use

Compliances:

- UL Misc. (UL: 120V)
- RoHS Compliant Directive 2002/95/EC

Packaging:

- Please contact Customer Service for packaging and color options



CATALOG NUMBER	NUMBER OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOMINAL O.D.	
				INCHES	mm	INCHES	mm
C1364	2	12	7x37/36	0.060	1.52	0.220x0.456	5.59x11.58

Color Code Chart

ORDERING SUFFIX	STOCK COLOR
90	Clear

Product Construction:

Conductor:

- 18 AWG, 1 tinned and 1 bare copper conductor per ASTM B-174

Insulation:

- Premium-grade, clear PVC

Jacket:

- PVC, clear
- Temperature range: -20°C to +60°C

Applications:

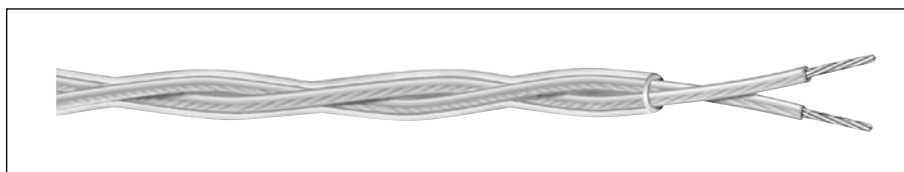
- Digital audio
- Hi-fi and stereo speaker wire
- Jukeboxes

Compliances:

- RoHS Compliant Directive 2002/95/EC

Packaging:

- Please contact Customer Service for packaging and color options

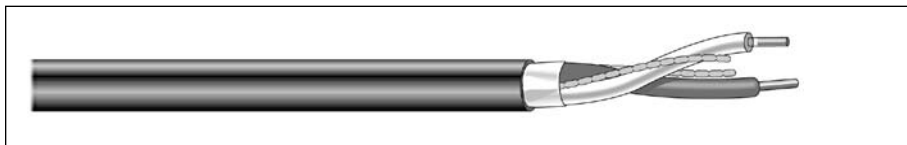


CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.	
				INCHES	mm	INCHES	mm	INCHES	mm
C6367	2	18	16/30	0.016	0.41	0.025	0.64	0.210	5.33

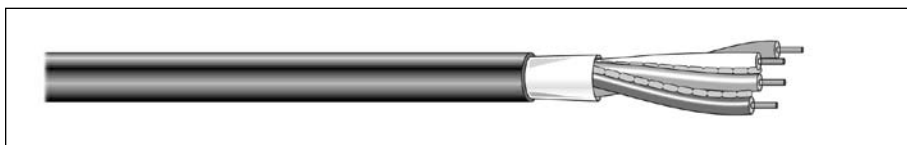
Color Code Chart

ORDERING SUFFIX	STOCK COLOR
90	Clear

Pro Audio Speaker Wire



CATALOG NUMBER	CONDUCTOR & O.D.	INSULATION & O.D.	JACKET & O.D.	WEIGHT LBS/Mft
740002	2/C 12 AWG Stranded 65/30 Bare Copper	PVC 0.136" Nom.	PVC 0.365" Nom.	100
740102	2/C 14 AWG Stranded 41/30 Bare Copper	PVC 0.118" Nom.	PVC 0.295" Nom.	75
740202	2/C 16 AWG Stranded 26/30 Bare Copper	PVC 0.102" Nom.	PVC 0.295" Nom.	60
740302	2/C 18 AWG Stranded 41/34 Bare Copper	PVC 0.079" Nom.	PVC 0.235" Nom.	38



CATALOG NUMBER	CONDUCTOR & O.D.	INSULATION & O.D.	JACKET & O.D.	WEIGHT LBS/Mft
740004	4/C 12 AWG Stranded 65/30 Bare Copper	PVC 0.136" Nom.	PVC 0.463" Nom.	165
740104	4/C 14 AWG Stranded 41/30 Bare Copper	PVC 0.118" Nom.	PVC 0.397" Nom.	107
740204	4/C 16 AWG Stranded 26/30 Bare Copper	PVC 0.102" Nom.	PVC 0.338" Nom.	75
740304	4/C 18 AWG Stranded 41/34 Bare Copper	PVC 0.079" Nom.	PVC 0.283" Nom.	53

NOTE: Cabled with jute fillers and paper tape under jacket.

Color Code Chart

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

Product Construction:

Conductor:

- 12-18 AWG stranded bare copper
- Twisted pairs

Insulation:

- PVC

Jacket:

- PVC, matte black
- High flexibility

Applications:

- Recording studios
- Commercial broadcast facilities
- Not for in-wall use

Features:

- High durability and long-lasting service

Packaging and Jacket Colors:

- Please consult Customer Service for packaging, color options and agency approvals

Special Audio, Communication & Instrumentation

UL 2095, 2093

Product Construction:

Conductor:

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

Insulation:

- Premium-grade, color-coded polyethylene (C1333A) or PVC (C1345A)
- Color code: See chart below

Shield:

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

Jacket:

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

Applications:

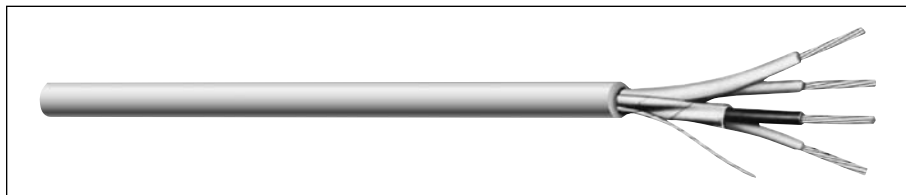
- Audio
- Communications
- EMI isolated circuits for instrumentation
- Suggested voltage rating: 300 volts

Compliances:

- UL Style 2093 (UL: 60°C, 300V)
- UL Style 2095 (UL: 80°C, 300V)
- RoHS Compliant Directive 2002/95/EC

Packaging:

- Please contact Customer Service for packaging and color options



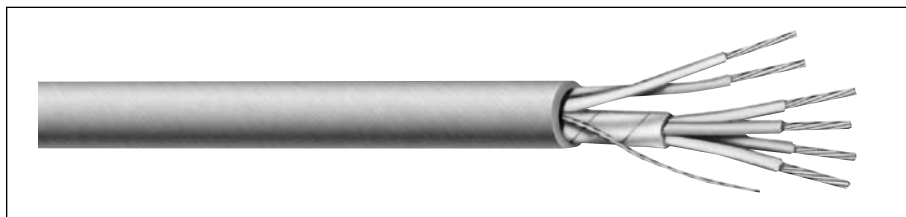
CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. CAP: pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
UL Style 2093, 300 VOLT											
C1333A	3	2-20 Shielded	10/30	0.015	0.38	0.028	0.71	0.206	5.23	26.0	47.0
		1-20 Unshielded	7/28	0.016	0.41						

*A – Capacitance between conductors

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

Color Code Chart

NO. OF COND.	COLOR
Shielded	
1	Black
2	Red
Unshielded	
1	Natural



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. CAP.* pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
UL Style 2095, 300 VOLT											
C1345A	6	4-24 Shielded	7/32	0.015	0.38	0.025	0.64	0.230	5.84	32.0	57.0
		2-22 Unshielded	7/30								

*A – Capacitance between conductors

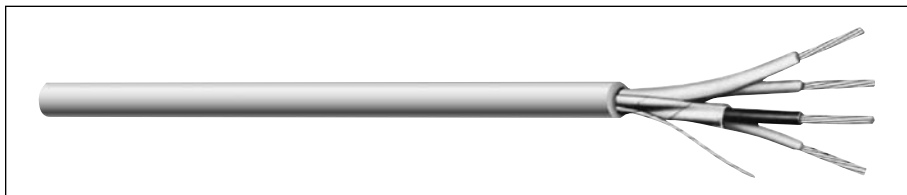
*B – Capacitance between one conductor and other conductors connected to shield

Color Code Chart

NO. OF COND.	COLOR
Shielded	
1	Black
2	Red
3	Green
4	Yellow
Unshielded	
1	Blue
2	White

Special Audio, Communication & Instrumentation

UL 2095, UL 2835, UL 2094, NEC Type CL2



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

UL Style 2095, NEC Type CL2

C1331A	4	2-20 Shielded 2-20 Unshielded	7/28	0.016	0.41	0.032	0.81	0.230	5.84	41.0	74.0
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UL Style 2835

C1340A	4	2-22 Shielded 2-22 Unshielded	7/30	0.008	0.20	0.017	0.43	0.161	4.09	29.0	52.0
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UL Style 2094

C1343A	4	2-20 Shielded 2-18 Unshielded	7/28 16/30	0.018	0.46	0.032	0.81	0.259	6.58	27.0	49.0
---------------	---	----------------------------------	---------------	-------	------	-------	------	-------	------	------	------

*A - Capacitance between conductors

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

Color Code Chart

NO. OF COND.	COLOR
Shielded	
1	Black
2	Red
Unshielded	
1	Green
2	White

Product Construction:

Conductor:

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

Insulation:

- C1331A - Premium-grade, color-coded PVC
- C1340A - Premium-grade, color-coded polypropylene
- C1343A - Premium-grade, color-coded polyethylene
- Color code: See chart below

Shield:

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

Jacket:

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

Applications:

- Audio
- Communications
- EMI isolated circuits for instrumentation

Compliances:

- Nec Article 725 Type CL2 (UL: 75°C, 150V)
- C1331A - UL Style 2095 (UL: 80°C)
- C1340A - UL Style 2835 (UL: 60°C)
- C1343A - UL Style 2094 (UL: 60°C)
- 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

CAROL BRAND



Designed to Meet
UL Vertical Tray
Flame Test

Underwriters Laboratories Inc.



General Cable

Special Audio, Communication & Instrumentation

UL 2094

Product Construction:

Conductor:

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

Insulation:

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

Shield:

- 64% tinned copper braid over one pair

Jacket:

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

Applications:

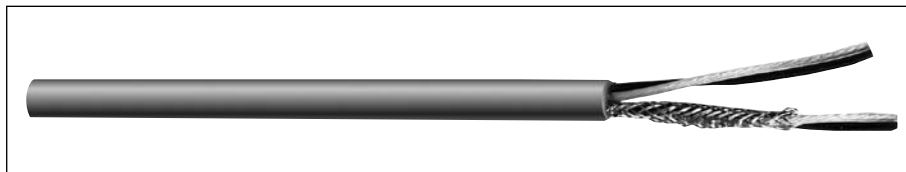
- Special audio
- Communication and control
- Instrumentation
- Applications where total isolation of signal is required
- Suggested voltage rating: 300 volts

Compliances:

- UL Style 2094 (UL: 60°C, 300V)
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL VW-1 Vertical Wire 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.		NOM. CAP.*	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
C1338A	2	1-22 Shielded 1-22 Unshielded	7/30	0.015	0.38	0.030	0.76	0.295	7.49	24.0	43.0

*A – Capacitance between conductors

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

Color Code Chart

NO. OF PAIRS	COLOR
1	Black/Natural
2	Black/Natural

Low Skew 4-Pair UTP

NEC Type CMR/CMP (UL), c(UL)

Product Construction:

Conductor:

- 23 or 24 AWG solid bare copper

Insulation:

- Fluorinated ethylene propylene (FEP)
- High density propylene (HDPE)

Jacket:

- Plenum - Flexguard® green
- Riser - PVC maroon

Applications:

- Suitable for RGB video applications
- Digital CCTV cameras

Compliances:





- NEC Article 800 Type CMR (UL), c(UL)
- NEC Article 800 Type CMP (UL), c(UL)

Packaging:

- 1000' Pull-Pacs®
- Contact Customer Service for additional packaging options

Color Code Chart

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

CATALOG NUMBER	AWG SIZE	NOMINAL DCR	NOMINAL O.D. (INCHES)	INSULATION MATERIAL		NOMINAL IMPEDANCE OHMS	PROPAGATION DELAY SKEW	NOMINAL ATTENUATION		BELDEN PART NO.
				INCHES	mm			MHz	dB/328 ft.	
E3842S CMP 	24 AWG Solid Bare Copper	27.4 Ω/Mft	0.185	Fluorinated Ethylene Propylene (FEP)		100	2.2 ns/328 ft.	1	2.0	7987P
				0.035	0.9			4	4.1	
								8	5.8	
								10	6.5	
								16	8.2	
								20	9.3	
								25	10.4	
								31.25	11.7	
								62.50	17.0	
								100	22.0	
								155	28.1	
								200	32.0	
								250*	36.4	
								300*	41.0	
350*	44.8									
E1842S CMR 	24 AWG Solid Bare Copper	27.4 Ω/Mft	0.185	High Density Propylene (HDPE)		100	2.2 ns/328 ft.	1	2.0	7987R
				0.035	0.9			4	4.1	
								8	5.8	
								10	6.5	
								16	8.2	
								20	9.3	
								25	10.4	
								31.25	11.7	
								62.50	17.0	
								100	22.0	
								155	28.1	
								200	32.0	
								250*	36.4	
								300*	41.0	
350*	44.8									
E3843S CMP 	23 AWG Solid Bare Copper	22.0 Ω/Mft	0.200	Fluorinated Ethylene Propylene (FEP)		100	2.2 ns/328 ft.	1	2.0	7989P
				0.040	1.0			4	3.8	
								8	5.3	
								10	6.0	
								16	7.6	
								20	8.5	
								25	9.5	
								31.25	10.7	
								62.50	15.4	
								100	19.8	
								155	25.2	
								200	29.0	
								250	32.8	
								300*	35.2	
350*	39.8									
E1843S CMR 	23 AWG Solid Bare Copper	22.0 Ω/Mft	0.213	High Density Propylene (HDPE)		100	2.2 ns/328 ft.	1	2.0	7989R
				0.040	1.0			4	3.8	
								8	5.3	
								10	6.0	
								16	7.6	
								20	8.5	
								25	9.5	
								31.25	10.7	
								62.50	15.4	
								100	19.8	
								155	25.2	
								200	29.0	
								250*	32.8	
								300*	35.2	
350*	39.8									

*For information only.

**CAROL
BRAND**



General Cable

SmartWrap™ Bundled Cable

Multiple Cable Types Depending On Application Up to 6 Cables / Jacketed and Unjacketed

Product Construction:

Fiber:

- Multimode or singlemode fibers with easily strippable 900µm tight buffering colored per TIA/EIA 598
- Cabled with aramid yarn strength member and jacketed to meet appropriate standards

Coax:

- Quad shield RG6 coax with copper-clad steel center conductor, either foamed PE (riser) or FEP (plenum) dielectric and overall PVC jacket

Twisted Pair:

- Unshielded or shielded twisted pair that meets or exceeds all TIA/EIA 568 B-2 standards for Carol® Brand Cat 5e

Binder:

- Helically wound polyester binder

Overall Jacket (Optional):

- Riser-rated versions use a flame-retardant PVC

Applications:

- SmartWrap™ cables are several different cables available with either helical binding or overall jacketing to allow simultaneous pulling of multiple cables. Configurations include combinations of Cat 5e UTP or ScTP, RG6 video/data quad shield coax and optical fiber cables. Plenum and riser versions available

Features:

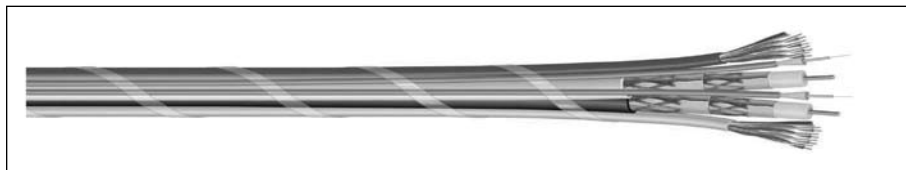
- Many cables can be pulled at once—faster installation
- TIA/EIA 568 B-2 Crosstalk-compliant
- Simplifies cable management
- Excellent for residential applications

Compliances:

- NEC Article 800 CMR, CSA FT-4 riser
- NEC Article 800 CMP, CSA FT-6 plenum

Packaging:

- Please contact Customer Service for packaging and color options



CATALOG NUMBER	SAFETY RATING	BINDING OR JACKET	CONSTRUCTION
710021	Riser	Binding	4 Carol® Brand Cat 5e UTP
810021	Plenum	Binding	4 Carol® Brand Cat 5e UTP
710022	Riser	Binding	6 Carol® Brand Cat 5e UTP
810022	Plenum	Binding	6 Carol® Brand Cat 5e UTP
710023	Riser	Binding	4 Carol® Brand Cat 5e ScTP
810023	Plenum	Binding	4 Carol® Brand Cat 5e ScTP
710024	Riser	Binding	6 Carol® Brand Cat 5e ScTP
810024	Plenum	Binding	6 Carol® Brand Cat 5e ScTP
710010	Riser	Jacket	2 Carol® Brand Cat 5e UTP and 2 RG6 Quad Smart Home coax
710011	Riser	Jacket	2 Carol® Brand Cat 5e UTP, 2 RG6 Quad Smart Home coax and 2 simplex multimode fiber cables
710017	Riser	Binding	2 Carol® Brand Cat 5e UTP and 2 RG6 Quad Smart Home coax
710018	Riser	Binding	2 Carol® Brand Cat 5e UTP, 2 RG6 Quad Smart Home coax and 2 simplex multimode fiber cables

The above listings are for stock cables. Custom configurations are available. Information is subject to change without notice. Consult Customer Service for a variety of alternate constructions for specific applications.

DATA TRANSMISSION PERFORMANCE FOR CAT 5E CABLES

FREQUENCY (MHZ)	INSERTION LOSS TYPICAL • MAX* (dB/100m)	NEXT TYPICAL • MIN* (dB)	PSNEXT TYPICAL • MIN* (dB)	ACR TYPICAL • MIN* (dB/100m)	PSACR TYPICAL • MIN* (dB/100m)	ELFEXT TYPICAL • MIN* (dB/100m)	PSNEXT TYPICAL • MIN* (dB/100m)	RETURN LOSS MIN (dB)
1	19.3 • 22.0	51.9 • 35.3	43.8 • 32.3	32.6 • 13.3	24.5 • 10.3	43.7 • 23.8	38.8 • 20.8	20.1

*Max/min measurements match TIA/EIA 568 B-2 standards

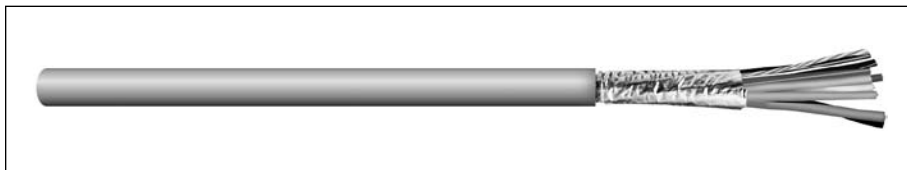
ELECTRICAL CHARACTERISTICS FOR CAT 5E CABLES

DC Resistance	≤9.38 Ohms/100 Meters • 28.6 Ohms/1000 Feet	Input Impedance	100 Ohms ± 15% @ 1 - 100 MHz
DCR Unbalanced	≤5%	Propagation Delay (Skew)	45 nanoseconds/100 meters max
Mutual Capacitance	≤55.8 pF/m • 17 pF/ft	Velocity of Propagation	72% plenum/69% riser

ELECTRICAL CHARACTERISTICS FOR RG6 CABLES

Capacitance	≤53.2 pF/m • 16.2 pF/ft	Attenuation (dB/100 ft)	0.21@ 1 MHz • 6.04 dB @ 1000MHz
Characteristic Impedance	75 Ohms	Velocity of Propagation	83% riser

Direct Burial, Audio & Communication



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. CAP.*	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
C2509A	2	20	Solid	0.013	0.33	0.037	0.94	0.190	4.83	25.0	44.0
C2510A	3	20	Solid	0.013	0.33	0.039	0.99	0.205	5.21	22.0	40.0
C2511A	10	20	Solid	0.013	0.33	0.039	0.99	0.310	7.87	20.5	37.0

*A – Capacitance between conductors

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

Product Construction:

Conductor:

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

Insulation:

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

Shield:

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

Jacket:

- Permaline® high-density polyethylene, black
- Temperature range: -20°C to +80°C

Applications:

- Suitable for direct burial
- Outdoor uses
- 100% shielded cable where RF shielding is required
- Suggested voltage rating: 350 volts

Features:

- Permaline® jackets resist deterioration
- Sunlight-resistant
- Highly durable jacket

Compliances:

- RoHS Compliant Directive 2002/95/EC

Packaging:

- Please contact Customer Service for packaging and color options

**CAROL
BRAND**

RoHS Compliant
Directive 2002/95/EC

 **General Cable**

Direct Burial, Audio & Communication

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:

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

Jacket:

- Permaline® high-density polyethylene, black
- Temperature range: -20°C to +80°C

Applications:

- Suitable for direct burial
- Outdoor uses
- Applications where total isolation of signal is required
- Suggested voltage rating: 350 volts

Features:

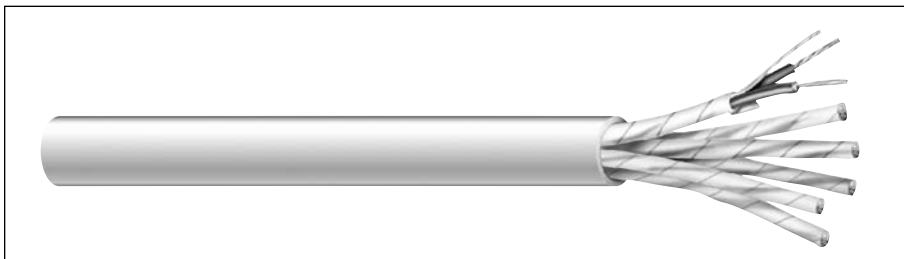
- Permaline® jackets resist deterioration
- Sunlight-resistant

Compliances:

- RoHS Compliant Directive 2002/95/EC

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.*	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
C6061A	3	20	10/30	0.013	0.33	0.047	1.19	0.340	8.64	22.0	39.0
C6062A	6	20	10/30	0.013	0.33	0.047	1.19	0.442	11.23	22.0	39.0

*A – Capacitance between conductors

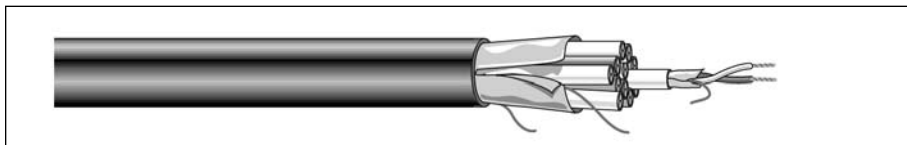
*B – Capacitance between one conductor and other conductors connected to shield

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
5	Black paired with Yellow
6	Black paired with Brown

Digital Audio Snake Cable

AES/EBU 110 Ohm Multi-Pair Individually Shielded & Jacketed, NEC Type CM/CL2



CATALOG NUMBER	CONDUCTOR	INSULATION & O.D.	SHIELD (COV.)	JACKET & O.D.	WT. #/m	IMPED. OHMS	CAPAC. pF/ft.
740601	1/PR 24 AWG Stranded 7/32 Tinned Copper	HD-Cellular PE 0.066" Nom.	Individual Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 0.176" Nom.	13.5	110	12.5
740604	4/PR 24 AWG Stranded 7/32 Tinned Copper	HD-Cellular PE 0.066" Nom.	Individual Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 0.525" Nom.	100	110	12.5
740608	8/PR 24 AWG Stranded 7/32 Tinned Copper	HD-Cellular PE 0.066" Nom.	Individual Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 0.700" Nom.	183	110	12.5
740612	12/PR 24 AWG Stranded 7/32 Tinned Copper	HD-Cellular PE 0.066" Nom.	Individual Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 0.850" Nom.	250	110	12.5
740616	16/PR 24 AWG Stranded 7/32 Tinned Copper	HD-Cellular PE 0.066" Nom.	Individual Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 1.000" Nom.	370	110	12.5
740620	20/PR 24 AWG Stranded 7/32 Tinned Copper	HD-Cellular PE 0.066" Nom.	Individual Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 1.100" Nom.	425	110	12.5

NOTE: General Cable manufactures the above cables in a wide range of alternate AWG sizes, pair counts and jacket colors. Please consult Customer Service for details.

Product Construction:

Conductor:

- 24 AWG stranded tinned copper
- Twisted pairs

Insulation:

- High-density foamed polyethylene

Shield:

- Individually shielded pairs with 24 AWG drain wire
- Overall foil shield with 18 AWG drain wire

Jacket:

- PVC, matte black
- High-flex, flame-retardant

Applications:

- Digital audio
- Interconnection and audio components for console board equipment used in recording studios, radio and television stations, and post-production facilities
- Sound system installations

Features:

- High impedance, 78% velocity and low capacitance providing error-free transmissions over extended distances
- PVC jacketing compound for ultimate cosmetics, durability and flexibility
- Jacketed pairs can be split out of overall jacket for any length without use of heat-shrink tubing
- Individual pair jackets are color-coded and number-printed for easy identification

Compliances:

- NEC Article 725 Type CL2
- NEC Article 800 Type CM
- Meets/exceeds requirements of Audio Engineering Society (AES) and European Broadcast Union (EBU)

Packaging and Jacket Colors:

- Please consult Customer Service for packaging and color options

Analog Audio Snake Cable

70 Ohm Low Capacitance Multi-Pair Individually Shielded & Jacketed, NEC Type CM/CL2

Product Construction:

Conductor:

- 24 AWG stranded tinned copper
- Twisted pairs

Insulation:

- Polyolefin

Shield:

- Individually shielded pairs with 24 AWG drain wire
- Overall foil shield 24 AWG drain wire

Jacket:

- PVC, matte black
- High-flex, flame-retardant

Applications:

- Analog audio
- Line level microphone
- Interconnection and audio components for console board equipment used in recording studios, radio and television stations, and post-production facilities
- Sound system installations

Features:

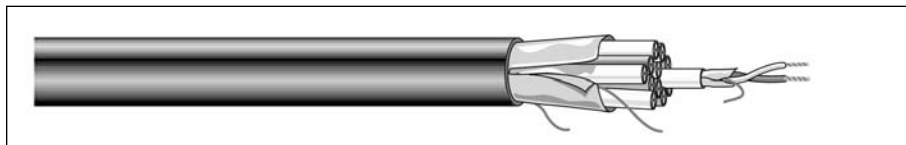
- PVC jacketing compound for superior cosmetics, durability and flexibility
- Individually shielded and jacketed pairs with an overall shield
- Individual pair jackets alpha-numerically numbered for easy identification

Compliances:

- NEC Article 725 Type CL2
- NEC Article 800 Type CM

Packaging and Jacket Colors:

- Please consult Customer Service for packaging and color options

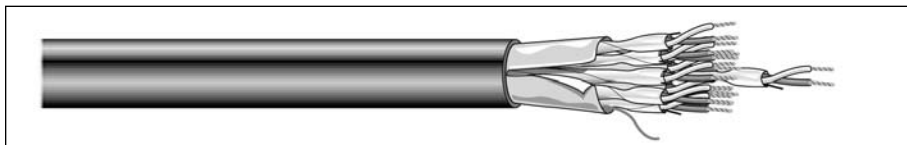


CATALOG NUMBER	CONDUCTOR	INSULATION & O.D.	SHIELD (COV.)	JACKET & O.D.	WT. #/m	IMPED. OHMS	CAPAC. pF/ft
STRANDED CONDUCTORS							
740501	1/PR 24 AWG Stranded 7/32 Tinned Copper	Polyolefin 0.024" Nom.	Overall Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 0.137" Nom.	11	65	24
740504	4/PR 24 AWG Stranded 7/32 Tinned Copper	Polyolefin 0.024" Nom.	Overall Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 0.385" Nom.	64	65	24
740508	8/PR 24 AWG Stranded 7/32 Tinned Copper	Polyolefin 0.024" Nom.	Overall Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 0.490" Nom.	107	65	24
740512	12/PR 24 AWG Stranded 7/32 Tinned Copper	Polyolefin 0.024" Nom.	Overall Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 0.610" Nom.	160	65	24
740516	16/PR 24 AWG Stranded 7/32 Tinned Copper	Polyolefin 0.024" Nom.	Overall Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 0.680" Nom.	205	65	24
740520	20/PR 24 AWG Stranded 7/32 Tinned Copper	Polyolefin 0.024" Nom.	Overall Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 0.700" Nom.	248	65	24
740528	28/PR 24 AWG Stranded 7/32 Tinned Copper	Polyolefin 0.024" Nom.	Overall Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 0.820" Nom.	340	65	24
740542	42/PR 24 AWG Stranded 7/32 Tinned Copper	Polyolefin 0.024" Nom.	Overall Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 1.050" Nom.	485	65	24
740552	52/PR 24 AWG Stranded 7/32 Tinned Copper	Polyolefin 0.024" Nom.	Overall Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 1.150" Nom.	595	65	24

NOTE: General Cable manufactures the above cables in a wide range of alternate AWG sizes, pair counts and jacket colors. Please consult Customer Service for details.

Analog Audio Snake Cable

70 Ohm Low Capacitance Multi-Pair Individually Shielded, NEC Type CM/CL2



CATALOG NUMBER	CONDUCTOR	INSULATION & O.D.	SHIELD (COV.)	JACKET & O.D.	WT. #/m	IMPED. OHMS	CAPAC. pF/ft
740701	1/PR 24 AWG Stranded 7/32 Tinned Copper	Polyolefin 0.044" Nom.	Overall Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 0.137" Nom.	11	65	24
740704	4/PR 24 AWG Stranded 7/32 Tinned Copper	Polyolefin 0.044" Nom.	Overall Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 0.280" Nom.	39	65	24
740706	6/PR 24 AWG Stranded 7/32 Tinned Copper	Polyolefin 0.044" Nom.	Overall Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 0.330" Nom.	55	65	24
740708	8/PR 24 AWG Stranded 7/32 Tinned Copper	Polyolefin 0.044" Nom.	Overall Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 0.350" Nom.	69	65	24
740709	9/PR 24 AWG Stranded 7/32 Tinned Copper	Polyolefin 0.044" Nom.	Overall Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 0.380" Nom.	76	65	24
740712	12/PR 24 AWG Stranded 7/32 Tinned Copper	Polyolefin 0.044" Nom.	Overall Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 0.425" Nom.	96	65	24
740716	16/PR 24 AWG Stranded 7/32 Tinned Copper	Polyolefin 0.044" Nom.	Overall Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 0.490" Nom.	130	65	24
740720	20/PR 24 AWG Stranded 7/32 Tinned Copper	Polyolefin 0.044" Nom.	Overall Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 0.540" Nom.	158	65	24
740728	28/PR 24 AWG Stranded 7/32 Tinned Copper	Polyolefin 0.044" Nom.	Overall Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 0.655" Nom.	221	65	24
740742	42/PR 24 AWG Stranded 7/32 Tinned Copper	Polyolefin 0.044" Nom.	Overall Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 0.775" Nom.	327	65	24
740752	52/PR 24 AWG Stranded 7/32 Tinned Copper	Polyolefin 0.044" Nom.	Overall Foil w/ 24 AWG Drain Overall Foil w/ 18 AWG Drain	FR-PVC Matte Finish 0.845" Nom.	391	65	24

NOTE: General Cable manufactures the above cables in a wide range of alternate AWG sizes, pair counts and jacket colors. Please consult Customer Service for details.

Product Construction:

Conductor:

- 24 AWG stranded tinned copper
- Twisted pairs

Insulation:

- Polyolefin

Shield:

- Individually shielded pairs with 24 AWG drain wire
- Overall foil shield 24 AWG drain wire

Jacket:

- PVC, matte black
- High-flex, flame-retardant

Applications:

- Line level microphone
- Interconnection and audio components for console board equipment used in recording studios, radio and television stations, and post-production facilities
- Sound system installations

Features:

- PVC jacketing compound for superior cosmetics, durability and flexibility
- Individually shielded pairs are color-coded for easy identification

Compliances:

- NEC Article 725 Type CL2
- NEC Article 800 Type CM

Packaging and Jacket Colors:

- Please consult Customer Service for packaging and color options

Guitar/Instrument Cable

Product Construction:

Conductor:

- 20 or 24 AWG stranded bare copper

Insulation:

- Dual layer of semi-conductive PVC over polyethylene

Shield:

- 36 AWG bare copper braid or spiral

Jacket:

- High quality audio (HQA) PVC, matte black
- Superior flexibility

Applications:

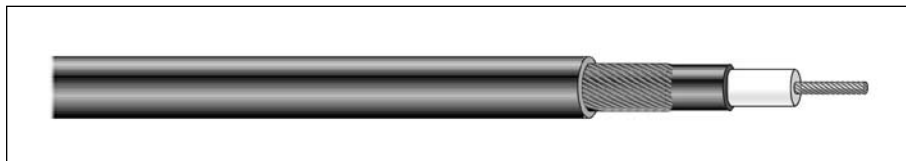
- Guitars
- Bases
- Keyboards and other instruments to amplifiers, mixers and effects pedals
- All outdoor signal processing gear

Features:

- Low capacitance to provide excellent structural return loss characteristics
- Specially formulated vinyl sleeving reduces triboelectric charges which cause microphonic handling noise in high-gain amplification applications

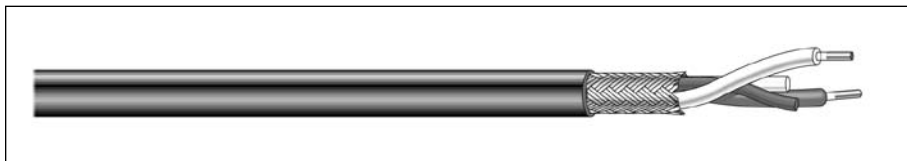
Packaging and Jacket Colors:

- Please consult Customer Service for packaging and color options



CATALOG NUMBER	CONDUCTOR	INSULATION & O.D.	SHIELD (COV.)	JACKET & O.D.	WT. #/m	IMPED. OHMS	CAPAC. pF/ft.
743601	1/C 20 AWG Stranded 41/36 Bare Copper	0.038" Poly 0.010" Semi Conductive Vinyl	36 AWG 95% Nom. Bare Copper Braid	"HQA" PVC 0.240 Nom. Black	34	47	33
743602	1/C 20 AWG Stranded 41/36 Bare Copper	0.038" Poly 0.010" Semi Conductive Vinyl	36 AWG 65% Nom. Bare Copper Spiral	"HQA" PVC 0.240 Nom. Black	34	47	33
743603	1/C 20 AWG Stranded 41/36 Bare Copper	0.038" Poly 0.010" Semi Conductive Vinyl	36 AWG 95% Nom. Bare Copper Braid	"HQA" PVC 0.240 Nom. Black	34	47	33
743604	1/C 20 AWG Stranded 22/34 Bare Copper	0.025" Poly 0.010" Semi Conductive Vinyl	36 AWG 65% Nom. Bare Copper Spiral	"HQA" PVC 0.235 Nom. Black	36	47	33
743605	1/C 24 AWG Stranded 7/32 Bare Copper	0.040" Poly 0.010" Semi Conductive Vinyl	36 AWG 95% Nom. Bare Copper Spiral	"HQA" PVC 0.235 Nom. Black	30	47	33

Ultra Flexible, Low Impedance 2-Conductor Microphone Cable



CATALOG NUMBER	CONDUCTOR	INSULATION & O.D.	SHIELD (COV.)	JACKET & O.D.	WT. #/m	IMPED. OHMS	CAPAC. pF/ft
743701	2/C 24 AWG Stranded 105/44 Bare Copper	PVC 0.045" Nom.	80% Nom. Bare Copper Braid	"HQA" PVC 0.176" Nom. Black	22	65	30
743704	2/C 24 AWG Stranded 41/40 Bare Copper	Polyethylene 0.050" Nom.	95% Tinned Copper Braid	"HQA" PVC 0.194" Nom. Black	23	80	20
743705	2/C 24 AWG Stranded 16/36 Bare Copper	Polyethylene 0.050" Nom.	95% Bare Copper Spiral	"HQA" PVC 0.225" Nom. Black	29	80	20
743706	2/C 22 AWG Stranded 26/36 Bare Copper	Polyethylene 0.062" Nom.	85% Bare Copper Braid	"HQA" PVC 0.232" Nom. Black	34	85	18
743707	2/C 20 AWG Stranded 41/36 Bare Copper	Polyethylene 0.074" Nom.	85% Bare Copper Braid	"HQA" PVC 0.262" Nom. Black	40	80	20

Product Construction:

Conductor:

- 20-24 AWG stranded bare copper
- Twisted pairs

Insulation:

- PVC or polyethylene

Shield:

- Braid or spiral, bare or tinned copper (choice of shielding configurations)

Jacket:

- High quality audio (HQA) PVC, matte black
- Superior flexibility

Applications:

- General-purpose audio applications
- Home entertainment
- Musical instruments

Features:

- Twisted conductor construction minimizes effects of EMI
- Precise application of filler maintains mechanical durability to resist annoying handling noise
- Braid shield guards against crosstalk and EMI while minimizing capacitive reactance, which causes hum and buzz
- High strand conductor plus HQA jacket results in ultimate flexibility

Packaging and Jacket Colors:

- Please consult Customer Service for packaging and color options

Multi-Conductor, Flexfoil® Shield

Product Construction:

Conductor:

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

Insulation:

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

Shield:

- Conductive tape applied over the core
- 100% Flexfoil® aluminum/polyester, 25% overlap, minimum, foil facing in
- Stranded tinned copper drain wire

Jacket:

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

Applications:

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

Features:

- Excellent shielding to reduce noise

Compliances:

- RoHS Compliant Directive 2002/95/EC

Packaging:

- Please contact Customer Service for packaging and color options



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. CAP.*	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
C1228A	2	24	19/36	0.008	0.20	0.022	0.56	0.135	3.43	27.0	48.5

*A – Capacitance between conductors

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

Color Code Chart

NO. OF COND.	COLOR
1	Black
2	Red

Multi-Conductor, Rubber, Braid Shield Microphone Cable

High and Low Impedance



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. CAP.* pF/ft
				INCHES	mm	INCHES	mm	INCHES	mm	
C1300	1	20	26/34	0.042	1.07	0.035	0.89	0.230	5.84	42.0
C1301	1	18	41/34	0.040	1.02	0.035	0.89	0.240	6.10	46.0
C1302	2	20	26/34	0.020	0.51	0.035	0.89	0.270	6.86	50.0

*Capacitance between one conductor and other conductors connected to shield

Color Code Chart

NO. OF COND.	COLOR
1	White
2	Black

Product Construction:

Conductor:

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

Insulation:

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

Shield:

- Clear Mylar® wrap
- 80% tinned copper braid
- Cotton wrap

Jacket:

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

Applications:

C1300, C1301:

- High-impedance microphones
- Broadcast and studio use
- Communication and audio system
- Shielded power supplies
- Suggested voltage rating: 300 volts

C1302:

- Low-impedance microphones
- Studio use
- Control circuits
- Video and audio interconnecting cables
- Shielded power supplies
- Suggested voltage rating: 300 volts

Features:

- Precision engineered to transmit clear, noise-free signals
- Minimizes electrical "hum"
- Braid shield provides extra flexibility

Compliances:

- RoHS Compliant Directive 2002/95/EC

Packaging:

- Please contact Customer Service for packaging and color options

CAROL BRAND

RoHS Compliant
Directive 2002/95/EC

General Cable

Multi-Conductor, Spiral Shield

Product Construction:

Conductor:

- 24 AWG annealed stranded bare copper per ASTM B-3

Insulation:

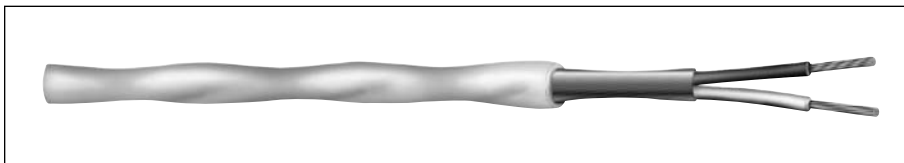
- Premium-grade, color-coded PVC
- Color code: See chart below

Shield:

- 85% spiral-tinned copper

Jacket:

- PVC, black
- Temperature range: -20°C to +90°C



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. CAP.*	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
C1226A	2	24	105/44	0.012	0.30	0.030	0.76	0.176	4.47	43.0	77.0

*A – Capacitance between conductors

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

Applications:

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

Color Code Chart

NO. OF COND.	COLOR
1	White
2	Green

Features:

- Spiral shield provides extra flexibility
- Excellent shielding to reduce noise

Compliances:

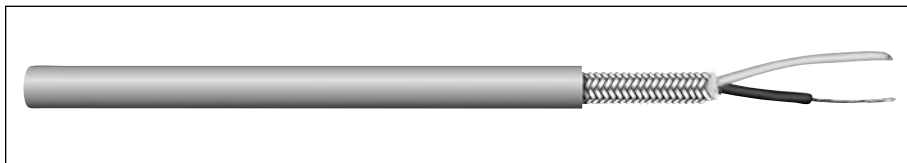
- RoHS Compliant Directive 2002/95/EC

Packaging:

- Please contact Customer Service for packaging and color options

Multi-Conductor, Braid Shield

Low Impedance



CATALOG NUMBER	TYPE	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. CAP.* pF/ft
					INCHES	mm	INCHES	mm	INCHES	mm	
C1322A	Low Imped.	2	22	16/34	0.025	0.64	0.025	0.64	0.239	6.07	31.0

*Capacitance between one conductor and other conductors connected to shield

Color Code Chart

NO. OF COND.	COLOR
1	White
2	Black

Product Construction:

Conductor:

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

Insulation:

- Premium-grade, color-coded polyethylene
- Fillers where required
- Color code: See chart below

Shield:

- 80% tinned copper braid

Jacket:

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

Applications:

- Low-impedance microphones
- Suggested voltage rating: 1000 volts

Features:

- Flexlife® jacket provides extreme flexibility
- High abrasion resistance
- Outstanding appearance

Compliances:

- RoHS Compliant Directive 2002/95/EC

Packaging:

- Please contact Customer Service for packaging and color options

**CAROL
BRAND**

RoHS Compliant
Directive 2002/95/EC

General Cable

Microphone Cable, Multi-Conductor, Carolprene®, Braid Shield High and Low Impedance

Product Construction:

Conductor:

- 18 and 16 AWG fully annealed stranded tinned copper per ASTM B-33

Insulation:

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

Shield:

- Clear Mylar® wrap
- 80% braid tinned copper
- Cotton wrap

Jacket:

- Carolprene®, black
- Temperature range: -20°C to +60°C



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. CAP.* pF/ft
				INCHES	mm	INCHES	mm	INCHES	mm	
C1201	1	18	41/34	0.040	1.02	0.035	0.89	0.240	6.10	46.0
C1202	2	18	41/34	0.020	0.51	0.035	0.89	0.295	7.49	61.0
C1602	2	16	65/34	0.025	0.64	0.035	0.89	0.335	8.51	55.0

*Capacitance between one conductor and other conductors connected to shield

Applications:

C1201:

- High-impedance microphones
- Broadcast and studio use
- Communication and audio systems
- Suggested voltage rating: 300 volts

C1202, C1602:

- Low-impedance microphones
- Studio use
- Control circuits
- Video and interconnecting cables
- Shielded power supplies
- Suggested voltage rating: 300 volts

Color Code Chart

NO. OF COND.	COLOR
1	White
2	Black

Features:

- Precision engineered to transmit clear, noise-free signals
- Minimizes electrical "hum"
- Resistant to oil, acid, sunlight, abrasion and aging
- Excellent noise rejection

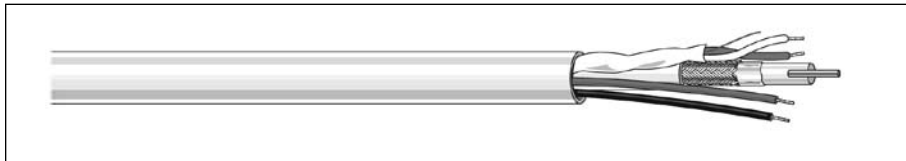
Compliances:

- RoHS Compliant Directive 2002/95/EC

Packaging:

- Please contact Customer Service for packaging and color options

SMPTE-311 Hybrid Fiber Optic/Copper Camera Cable



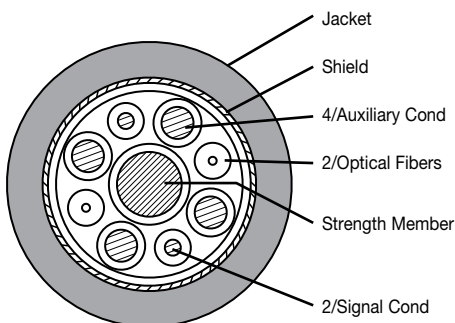
CATALOG NUMBER	AUXILIARY CONDUCTOR	SIGNAL COND.	OPTICAL FIBER	STRENGTH MEMBER	SHIELD	JACKET
742608	(4) 20 AWG 26/34 Strand Tinned Cu High-density Polyethylene Insul. O.D. 0.060"	(2) 25 AWG 7/33 Strand Tinned Cu High-density Polyethylene Insul. O.D. 0.045"	(2) 9.5 Micron Single-Mode	14 AWG 19/27 Strand Galvanized Steel	95% Braid Tinned CU	Flexible PVC (HQA) Black 0.362" O.D. 9.20 mm
574608	(4) 20 AWG 26/34 Strand Tinned Cu High-density Polyethylene Insul. O.D. 0.060"	(2) 25 AWG 7/33 Strand Tinned Cu High-density Polyethylene Insul. O.D. 0.045"	(2) 9.5 Micron Single-Mode	14 AWG 19/27 Strand Galvanized Steel	95% Braid Tinned CU	Ruggedized Outdoor TPR Black 0.362" O.D. 9.20 mm

NOTE: General Cable manufactures the above cables in a wide range of alternate AWG sizes, pair counts and jacket colors. Please consult Customer Service for details.

Cable Characteristics

ELEMENT NUMBER	(1) AUXILIARY CONDUCTORS	(2) SIGNAL CONDUCTORS	(3) SINGLEMODE FIBER OPTIC
CONDUCTOR DCR	35.29Ω/Km max @20°C	97.5Ω/Km max @20°C	Mode Field Data 9.5+/-1 Micron
DC LOOP RESISTANCE	43Ω/Km max @20°C	184Ω/Km max @20°C	Cladding Data 125+/-1 Micron
INSULATION RESISTANCE	10,000Ω/Km max @20°C	10,000Ω/Km max @20°C	Buffer Material Thermoplastic
DIELECTRIC STRENGTH	1750V RMS@20°C, 60Hz for 1 min	1750V RMS@20°C, 60Hz for 1 min	
VOLTAGE RATING	300V Max	300V Max	
COLOR	C1, C3-Black C2, C4-White	C1-Red C2-Gray	C1-Blue C2-Yellow

TYPICAL CROSS SECTION



Product Construction:

Conductor:

- Element #1: 4 auxiliary conductors (used as two)
Size: 20 AWG; stranded tinned annealed copper
Insulation: High-density polyethylene O.D.: 0.060" nom. (1.53mm)
- Element #2: 2 single conductors
Size: 24 AWG; stranded tinned annealed copper
Insulation: High-density polyethylene: 0.045" nom. (1.12mm)
- Element #3: Singlemode fiber optic
- Element #4: Strength member in core
Size: 16 AWG; stranded insulated galvanized steel cable
Color: White
O.D.: 0.083" nom. (2.1mm)

Fillers:

- Fibrillated polypropylene as needed for roundness

Binder:

- Paper tape with 25% overlap

Braid Shield:

- Flexibly designed braid shield with 85% nom. coverage

Jacket:

- Flexible PVC (HQA)
- Temperature range: -40°C to +75°C
- Humidity 0 to 95%
- TPR ruggedized outdoor version

Jacket Marking:

- HELIX/HITEMP P/N XXXXXX* SINGLE-MODE FIBER OPTIC/ELECTRICAL HD CAMERA CABLE (RU) AWM STYLE 21059 80C 300V VW-1

Cable Weight:

- 87.6 lbs/Mft nom. (130.8Kg/KM)

Performance:

- Meets/exceeds SMPTE-311 M-1998

Connector:

- LEMO connector (call LEMO for more information at 800.444.5366)
- SMPTE standard 304 video connector

Compliances:

- UL Subject 758
- AWM Style 21059

Packaging:

- Please consult Customer Service for packaging and color options

*XXXXXX - indicates part number



Electronic News Gathering/Field Production Camera Cable

Product Construction:

Applications:

- Ideal for TV broadcast and CCTV applications
- Suited for controlling, powering and transmitting audio and video signals for TV cameras
- Additional uses include remote control, monitor and cue line systems

Features:

- Provides excellent circuit isolation
- Superior durability characteristics in a variety of environmental conditions

Packaging and Jacket Colors:

- Please contact Customer Service for packaging and color options



CATALOG NUMBER	COAXIAL COMPONENT	SIGNAL PAIR	POWER PAIR	JACKET
742605	1/C 25 AWG Stranded 7/33 Bare Copper High-density Polyethylene Insulation 90% Bare Copper Braid PVC Jacket O.D. 0.175" Nom.	1/PR 24 AWG Stranded 19/36 Bare Copper Polyethylene Insulation + Foil 24 AWG Drain O.D. 0.140" Nom.	1/PR 22 AWG Stranded 26/36 Bare Copper PVC Insulation O.D. 0.100" Nom.	Matte Black "HQA" PVC O.D. .495" Nom.

NOTE: General Cable manufactures the above cables in a wide range of alternate AWG sizes, pair counts and jacket colors. Please consult Customer Service for details.