

Specialty Cable



Prysmian 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, Prysmian supports the increasingly demanding entertainment industry.

For extreme hard service, Prysmian'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 Prysmian sales representative.

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 2015/863/EU (RoHS-3)

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	
				in	mm	in	mm	in	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
Data subject to change.

COLOR CODE CHART

NO. OF COND.	COLOR
1	Black
2	Red

COLOR CODE CHART

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

Speaker Wire

UL Listed or AWM Style 1007



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOMINAL O.D.	
				in	mm	in	mm
AWM STYLE 1007 (80°C, 300 V)							
C7102A	2	18	7/0152	0.020	0.51	0.172	4.37

Data subject to change.

COLOR CODE CHART

ORDERING SUFFIX	STOCK COLOR
99	Black-White

Product Construction:

Conductor:

- 18 AWG tinned annealed stranded copper
- Stranded tinned copper per ASTM B33

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, 300 V)
- AWM Style 1007
- RoHS Compliant Directive 2011/65/EU

Packaging:

- 1000' (305 m) reels



CATALOG NUMBER	NUMBER OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOMINAL O.D.	
				in	mm	in	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

Product Construction:

Conductor:

- 24 thru 12 AWG fully annealed one bare, one tin stranded copper per ASTM B174

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 2015/863/EU (RoHS-3)

Packaging:

- Please contact Customer Service for packaging and color options

Command® Series Home Entertainment Speaker Cable

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

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 theatre
- Remote control circuits
- Security Systems
- Bi-amp speakers

Features:

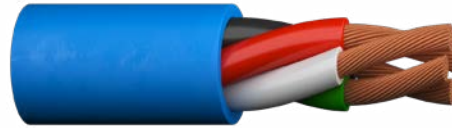
- Flexible

Compliances:

- NEC Article 725 Type CL3 (UL: 60°C)
- CSA, CMG, AWM, I/II A/B
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- 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 WALL		NOM. JACKET THICKNESS		NOMINAL O.D.	
				in	mm	in	mm	in	mm
C1700t	2	12	65/30	0.009	0.15	0.021	0.53	0.254	6.45
C1701t	4	12	65/30	0.009	0.15	0.021	0.53	0.299	7.59
C1702t	2	14	41/30	0.009	0.15	0.021	0.53	0.220	5.59
C1703t	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

tCL3, CSA AWM I/II A/B only

COLOR CODE CHART

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

CAROL® Brand DMX Lighting Control Cables



CATALOG NUMBER	NO. OF PAIRS	AWG SIZE	COND. STRAND	NOM. O.D. THICKNESS		NOMINAL O.D.		APPROX. NET WT. LBS/M	STD. CTN.
				in	mm	in	mm		
01220.41.01	1	22	7/30	0.245	6.22	0.245	6.22	33	1000'
02220.41.01	2	22	7/30	0.278	7.06	0.278	7.06	47	1000'

*Capacitance between one conductor and other conductors connected to shield
Data subject to change.

COLOR CODE CHART

NO. OF PAIRS	COLOR
1	Black, White
2	Black & White, Red & Blue

Product Construction:

Conductor:

- 22 AWG fully stranded tinned copper per ASTM B33
- Twisted pairs

Insulation:

- Foam PE, .025" Wall
- Color code: See chart below

Shield:

- 100% foil braid, 90% tinned copper braid
- Stranded tinned copper drain wire

Jacket:

- Flexible, durable TPU, black
- Temperature range: -40°C to +75°C

Jacket Marking:

- 1 Pair: CAROL® PRODUCTS —122 —DMX LIGHTING CONTROL CABLE 1 PAIR 22 AWG STRANDED
- 2 Pair: CAROL® PRODUCTS —222 —DMX LIGHTING CONTROL CABLE 2 PAIR 22 AWG STRANDED

Applications:

- DMX512 Lighting Control
- For Portable Use or Remote Environments

Features:

- True DMX512 construction
- Low-capacitance data pairs
- Drain wire for easy shield termination
- Color-coded conductors for easy identification
- One- or Two-Pair designs available
- Durable, flexible, all-weather jacket.

Industry Approvals:

- Meets or exceeds USITT standards

Packaging:

- 1000' (304.8m)
- Other put-ups available on special order

Special Audio, Communication & Instrumentation

UL 2095, 2093

Product Construction:

Conductor:

- 24 thru 20 AWG fully annealed stranded tinned copper per ASTM B33

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, 300 V)
- UL Style 2095 (UL: 80°C, 300 V)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)

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.*	
				in	mm	in	mm	in	mm	A	B
UL Style 2093, 300 VOLT											
C1333A	3	2-20 Shielded 1-20 Unshielded	7/28	0.016	0.41	0.028	0.71	0.206	5.23	26.0	47.0

*A – Capacitance between conductors
 *B – Capacitance between one conductor and other conductors connected to shield
 Data subject to change.

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.*	
				in	mm	in	mm	in	mm	A	B
UL Style 2095, 300 VOLT											
C1345A	6	4-24 Shielded 2-22 Unshielded	7/32 7/30	0.015	0.38	0.025	0.64	0.230	5.84	32.0	57.0

*A – Capacitance between conductors
 *B – Capacitance between one conductor and other conductors connected to shield
 Data subject to change.

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



Product Construction:

Conductor:

- 22 thru 18 AWG fully annealed stranded tinned copper per ASTM B33

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 +105°C

Applications:

- Audio
- Communications
- EMI isolated circuits for instrumentation

Compliances:

- NEC Article 725 Type CL2 (UL: 75°C, 150 V)
- C1331A - UL Style 2095 (UL: 105°C)
- C1340A - UL Style 2835 (UL: 105°C)
- C1343A - UL Style 2094 (UL: 105°C)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)

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.*	
				in	mm	in	mm	in	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
---------------	---	----------------------------------	------	-------	------	-------	------	-------	------	------	------

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
---------------	---	----------------------------------	------	-------	------	-------	------	-------	------	------	------

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

Data subject to change.

COLOR CODE CHART

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

Microphone Cable, Multi-Conductor, Carolprene®

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
				in	mm	in	mm	in	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
Data subject to change.

COLOR CODE CHART

NO. OF COND.	COLOR
1	White
2	Black

Product Construction:

Conductor:

- 18 and 16 AWG fully annealed stranded tinned copper per ASTM B33

Insulation:

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

Shield:

- 80% braid tinned copper

Jacket:

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

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

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 2015/863/EU (RoHS-3)

Packaging:

- Please contact Customer Service for packaging and color options

Irrigation & Landscape Lighting

SOLUTIONS GUIDE

Underground Low-Voltage Sprinkler Wire 18 AWG Multi-Conductor PVC Insulated, PE Jacketed

Applications:

- For use in wiring irrigation control systems where cable must be suitable for direct burial
- Low-voltage golf course satellite sprinkler control
- Residential sprinkler solenoid control



Standard Put-Ups:

- 250'
- 500'
- 1000'
- 2500'

Standard Color Code:

- Black jacket
- Refer to Color Code Chart on back for insulation

ISOTEC PART NUMBER	NO. OF COND.	NOM. INS. THICKNESS INCHES	JACKET THICKNESS INCHES	NOMINAL O.D. INCHES	WEIGHT PER MFT
182IRRAP	2	.016	.025	.183	21
183IRRAP	3	.016	.025	.216	29
184IRRAP	4	.016	.025	.236	37
185IRRAP	5	.016	.025	.250	45
186IRRAP	6	.016	.025	.266	52
187IRRAP	7	.016	.025	.280	59
188IRRAP	8	.016	.025	.300	67
1810IRRAP	10	.016	.025	.327	81
1812IRRAP	12	.016	.025	.355	96
1813IRRAP	13	.016	.025	.368	104

Communication & Control Cable 18 & 20 AWG Multi-Paired, PE Insulated

Applications:

- For use with golf course irrigation control systems

Standard Put-Ups:

- 500'
- 1000'

Standard Color Code:

- Black jacket
- Refer to Color Code Chart on back for insulation



ISOTEC PART NUMBER	NO. OF COND.	AWG/ STRANDING	INSULATION THICKNESS & TYPE	JACKET THICKNESS & TYPE	NOMINAL O.D. INCHES
C6061A	Individually Shld. 3 PR w/20 AWG Stranded T.C. Drain	10/30 Tinned Copper	.013" Polypropylene	.047" Polyethylene	.340

Irrigation & Landscape Lighting

SOLUTIONS GUIDE

Underground Feeder (UF) Cable 600 V Single Conductor, PVC Insulated



ISOTEC PART NUMBER	AWG/STRANDING	INSULATION THICKNESS INCHES	NOMINAL O.D. INCHES	WEIGHT PER MFT
181UF*	18 (Solid)	0.045	0.134	13
161UF*	16 (Solid)	0.045	0.144	17
141UF	14 (Solid)	0.060	0.186	28
121UF	12 (Solid)	0.060	0.205	37
101UF	10 (Solid)	0.060	0.225	52

Note: PE UF cable is available upon special request. Please consult customer service.

Applications:

- For use in irrigation as described in Article 339 of the National Electric Code (NEC)
- 18 AWG and 16 AWG are not permitted to be UL Listed as Type UF*

Standard Put-Ups:

- 500'
- 1000'
- 2500'

Standard Colors:

- Please consult customer service for information on available colors

Underground Low-Voltage Landscape Lighting Cable 150 V Flat Parallel, PVC Insulated



ISOTEC PART NUMBER	AWG/STRANDING	NOM. INS. THICKNESS INCHES	NOMINAL O.D. INCHES	WEIGHT PER MFT
182ULC00	18 16/30 B/C	0.041	.209 X .145	26
162ULC00	16 26/30 B/C	0.041	.315 X .155	36
142ULC00	14 41/30 B/C	0.041	.350 X .170	46
122ULC00	12 65/30 B/C	0.041	.390 X .195	86
102ULC00	10 105/30 B/C	0.062	.470 X .240	122
802ULC00	8 133/0125 B/C	0.078	.630 X .316	199

Applications:

- For use in wiring low-voltage outdoor landscape lighting and security lighting circuits where cable must be suitable for direct burial

Standard Put-Ups:

- 250'
- 500'
- 1000'

Standard Jacket Color:

- Black

Low-Voltage Sprinkler Wire

60°C 30 Volts UL



CATALOG NUMBER	NO. OF COND.	AWG SIZE	LENGTH OF CORD (FEET)	PACKAGE TYPE	POWER RATING ⁽¹⁾			PKG PER CTN.	APPROX. WEIGHT PER CTN (LBS) ⁽⁵⁾	CARTON DIMENSIONS (H x W x D)	UPC NUMBER
					VOLTS	AMPS	WATTS				
LOW VOLTAGE SPRINKLER WIRE - 30 VOLTS - UL											
23804.18.01	4	18	500	Spool	30	15	450	1	18	10.625 x 10.625 x 6.313	079407908047
23815.60.01	5	18	50	Cuff	30	15	450	6	13	8.5 x 12.25 x 14	079407238156
23825.60.01	5	18	100	Cuff	30	15	450	6	27	9.5 x 14 x 17	079407238255
23805.18.01	5	18	500	Spool	30	15	450	1	22	10.625 x 10.625 x 6.313	079407908054
23817.60.01	7	18	50	Cuff	30	15	450	6	18	8.5 x 12.25 x 14	079407238170
23827.60.01	7	18	100	Cuff	30	15	450	6	36	9.5 x 14 x 17	079407238279
23807.18.01	7	18	500	Spool	30	15	450	1	31	10.625 x 10.625 x 6.313	079407908078
23810.18.01	10	18	500	Reel	30	15	450	1	44	—	079407908108

(1) Amps and watts are offered ONLY as a guide to the end user.
 (5) Actual shipping weight may vary.
 Data subject to change.

Product Construction:

Conductor:

- 18 AWG fully annealed solid bare copper per ASTM B3

Insulation:

- Premium-grade, color-coded PVC
- Premium-grade PE jacket, black
- Nylon rip cord to facilitate jacket removal
- Temperature range: -20°C to +60°C
- Color code: See chart at left

Jacket Marking:

- CAROL (SIZE) 30 V SPRINKLER SYSTEMS WIRE
- DIRECT BURIAL E54567 (UL)

Applications:

- Low-voltage golf course satellite sprinkler control
- Residential sprinkler solenoid control

Compliances:

- UL Listed under a UL Miscellaneous Wire file
- UL Listed for outdoors applications
- UL Listed for direct burial applications

Packaging:

- See tabular data above
- Please contact Customer Service for packaging and color options

COLOR CODE CHART

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