

CABLE SOLUTIONS FOR ELECTRONIC WIRE & CABLE



prysmian | **ENCORE WIRE®**

The planet's pathways

DEMAND BETTER... EXPECT MORE™

Electronic Wire & Cable

This catalog contains in-depth information on the most comprehensive line of copper Electronics products available today for data transmission, sound, security/fire alarm, professional audio and video broadcast.

In a rapidly changing industry with ever-growing demands, Prysmian Group continues to stay ahead of the curve with engineered products that guarantee future performance. Choose from the best cable in its class—CAROL® Brand.

Our products are readily available for immediate shipment through our network of authorized stocking distributors and distribution centers.

Prysmian is committed to meeting customer requirements through continuous quality improvements. As a significant part of our commitment to quality, Prysmian's manufacturing facilities are certified to the ISO 9001:2015 quality standard. Our telecommunications cable manufacturing facility has received TL 9000 quality standards registration as a supplement to the ISO program. This quality system is based on the ISO 9001 program with added telecommunications-specific performance metrics. We strive to provide value optimization through innovation and quality solutions.

- Our in-house testing capabilities are extensive, with strict adherence to our product specifications as well as industry standards.
- Cables are safety listed and verified.
- Third-party testing labs like ETL and UL are utilized to quantify and confirm our quality and provide final qualification data that sets the foundation for our extended product warranty.
- Prysmian products have stood the test of time with proven reliability and performance.

Download Technical document



All information in this catalog is presented solely as a guide to product selection and is believed to be reliable. All printing errors are subject to correction in subsequent releases of this catalog. Although Prysmian has taken precautions to ensure the accuracy of the product specifications at the time of publication, the specifications of all products contained herein are subject to change without notice.

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888-295-5896

with any questions to meet your application needs.

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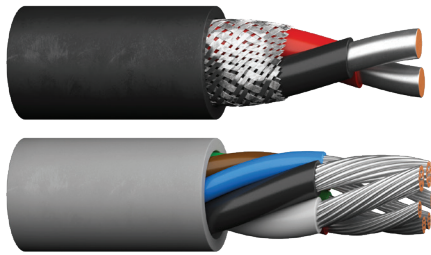
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Communication & Control Cable, Multi-Conductor 1



The multi-conductor array of communication and control cable facilitates cable pull-ins and single-site installations.

This cable is typically used for industrial equipment control, electric valve actuation and remote signaling, as well as communications and broadcast applications. These designs are available in a wide variety of insulation and jacketing materials, as well as shield designs to alleviate unwanted circuit noise.

Prysmian’s CAROL® Brand products are manufactured to meet the latest UL, CSA and NEC requirements and approvals.

A Design To Meet Every Application

PVC/PVC designs employ polyvinyl chloride insulations and jackets capable of meeting everyday, general purpose applications.

PE or PP/PVC designs employ high quality polyethylene or polypropylene insulations to assure faithful reproduction of transmitted signals across interconnection circuits.

Foamed PP/PVC designs use high

speed, foamed polypropylene insulations for long-distance critical circuits, which would not perform if higher loss insulations were employed.

FEP/FEP designs employ fluoropolymer 200°C-rated materials. They are recommended for use in applications where high temperature, plenum rating, electrical and mechanical safety and chemical resistance are essential.

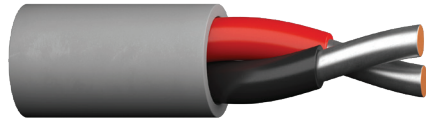
Rubber/Rubber is typically employed in installations characterized as severely hostile environments, where these designs provide unsurpassed service life.

Rubber/Carolprene® offers the ultimate performance for applications that demand the greatest protection from the environment, including physical abuse. The specially formulated Carolprene® jacket has been proven time and again to withstand all types of abuse, both mechanical and chemical.

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Multi-Conductor, Unshielded

UL 2464, NEC/CEC Type CMG UL/CSA**



Product Construction:

Conductor:

- Fully annealed tinned copper per ASTM B33 (C4311A)

Insulation:

- Premium-grade, color-coded PVC

Jacket:

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

Applications:

- Public address systems
- Intercoms
- Remote control circuits
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800 Type CM (UL: 105°C)
- UL Style 2464 (UL: 80°C, 300 V)
- CSA CMG (CSA: 90°C)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA CMG Flame Test
- Sunlight Resistant

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.		COLOR CODE	NOM. C-C CAP.* pF/ft
				in	mm	in	mm	in	mm		
C4311A	2	20	Solid	0.010	0.25	0.032	0.81	0.166	4.22	Black/Red	28.0

*Capacitance between conductors

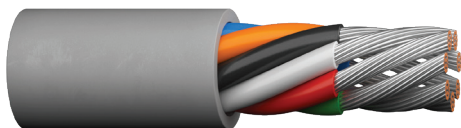
**CSA or c(UL)

Data subject to change.



Multi-Conductor, Unshielded

UL 2464, UL 2576, NEC/CEC Type CMG UL/CSA**



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		COLOR CODE	NOM. C-C CAP.* pF/ft
				in	mm	in	mm	in	mm		
C2461A	2	24	7/32	0.010	0.25	0.032	0.81	0.152	3.86	Black/Red	23.0
C2462A	3	24	7/32	0.010	0.25	0.032	0.81	0.163	4.14	Black/Red/Green	23.0
C2463A	4	24	7/32	0.010	0.25	0.032	0.81	0.174	4.42	1	23.0
C2464A	5	24	7/32	0.010	0.25	0.032	0.81	0.183	4.75	1	23.0
C2466A	6	24	7/32	0.010	0.25	0.032	0.81	0.200	5.08	1	23.0
C2488A	7	24	7/32	0.010	0.25	0.032	0.81	0.200	5.08	1	23.0
C2465A	8	24	7/32	0.010	0.25	0.032	0.81	0.214	5.44	1	23.0
C2470A	9	24	7/32	0.010	0.25	0.032	0.81	0.227	5.77	1	23.0
C2471A	10	24	7/32	0.010	0.25	0.032	0.81	0.244	6.20	1	23.0
C2467A	12	24	7/32	0.010	0.25	0.032	0.81	0.251	6.38	1	23.0
C2473A	15	24	7/32	0.010	0.25	0.032	0.81	0.275	6.99	2	23.0

*Capacitance between conductors

**CSA or c(UL)

Data subject to change.

COLOR CODE CHART 1

For cables up to and including 12 conductors

NO. OF COND.	COLOR	NO. OF COND.	COLOR	NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	4	Green	7	Orange	10	Gray
2	White	5	Brown	8	Yellow	11	Pink
3	Red	6	Blue	9	Purple	12	Tan

COLOR CODE CHART 2 PER ICEA

For cables with 15 conductors

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

Product Construction:

Conductor:

- 24 AWG fully annealed stranded tinned copper per ASTM B33

Insulation:

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

Jacket:

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

Applications:

- Public address systems
- Intercoms
- Internal telephones
- Remote control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800 Type CM (UL: 90C)
- UL Style 2464 (UL: 80°C, 300 V)
- UL Style 2576 (UL: 80°C, 150 V)
- CSA CMG (CSA: 105°C)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA CMG Flame Test
- Sunlight Resistant

Packaging:

- Please contact Customer Service for packaging and color options

Multi-Conductor, Unshielded

UL 2464, UL 2576, NEC/CEC Type CMG UL/CSA**

Product Construction:

Conductor:

- 22 AWG fully annealed, stranded tinned copper per ASTM B33

Insulation:

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

Jacket:

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

Applications:

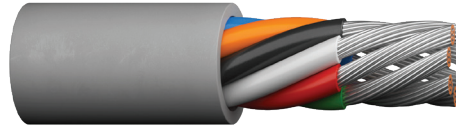
- Public address systems
- Intercoms
- Internal telephones
- Remote control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800 Type CM (UL: 90°C)
- UL Style 2464 (UL: 80°C, 300 V)
- UL Style 2576 (UL: 80°C, 150 V)
- CSA CMG (CSA 90°C)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA CMG Flame Test
- Sunlight Resistant

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.		COLOR CODE	NOM. C-C CAP.* pF/ft
				in	mm	in	mm	in	mm		
C6348A†	2	22	7/30	0.010	0.25	0.015	0.38	0.130	3.30	Black/Red	24.5
C4062A	3	22	7/30	0.010	0.25	0.032	0.81	0.176	4.47	Black/Red/Green	24.5
C4063A	4	22	7/30	0.010	0.25	0.032	0.81	0.182	4.80	1	24.5
C4064A	5	22	7/30	0.010	0.25	0.032	0.81	0.203	5.16	1	24.5
C4066A	6	22	7/30	0.010	0.25	0.032	0.81	0.218	5.54	1	24.5
C4088A	7	22	7/30	0.010	0.25	0.032	0.81	0.205	5.54	1	24.5
C4065A	8	22	7/30	0.010	0.25	0.032	0.81	0.230	5.94	1	24.5
C4070A	9	22	7/30	0.010	0.25	0.032	0.81	0.249	6.32	1	24.5
C4071A	10	22	7/30	0.010	0.25	0.032	0.81	0.268	6.81	1	24.5
C4067A	12	22	7/30	0.010	0.25	0.032	0.81	0.276	7.01	1	24.5
C4073A	15	22	7/30	0.010	0.25	0.032	0.81	0.303	7.70	2	24.5
C4075A	20	22	7/30	0.010	0.25	0.032	0.81	0.334	8.48	2	24.5
C4076A	25	22	7/30	0.010	0.25	0.032	0.81	0.368	9.35	2	24.5
C4077A	30	22	7/30	0.010	0.25	0.032	0.81	0.389	9.88	2	24.5
C4078A	40	22	7/30	0.010	0.25	0.032	0.81	0.434	11.02	2	24.5
C4079A	50	22	7/30	0.010	0.25	0.032	0.81	0.489	12.42	2	24.5

*Capacitance between conductors

**CSA or c(UL)

†CM-CSA CMG Only

Data subject to change.

COLOR CODE CHART 1

For cables up to and including 12 conductors

NO. OF COND.	COLOR	NO. OF COND.	COLOR	NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	4	Green	7	Orange	10	Gray
2	White	5	Brown	8	Yellow	11	Pink
3	Red	6	Blue	9	Purple	12	Tan

COLOR CODE CHART 2 PER ICEA

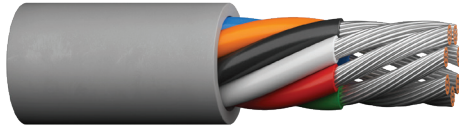
For cables of 15 thru 50 conductors

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



Multi-Conductor, Unshielded

UL 2464, UL 2576, NEC/CEC Type CMG UL/CSA**



Product Construction:

Conductor:

- 20 or 18 AWG fully annealed stranded, tinned copper per ASTM B33

Insulation:

- Premium-grade, color-coded PVC per UL AWM Style 1007
- Color code: See charts below

Jacket:

- PVC, gray
- Temperature range: -20°C to +105°C

Applications:

- Public address systems
- Intercoms
- Internal telephones
- Remote control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800 Type CM (UL: 105°C)
- UL Style 2464 (UL: 80°C, 300 V)
- UL Style 2576 (UL: 80°C, 150 V)
- CSA CMG (CSA: 105°C)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA CMG Flame Test
- Sunlight Resistant

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.		COLOR CODE	NOM. C-C CAP.* pF/ft
				in	mm	in	mm	in	mm		
C6351A†	2	20	7/28	0.016	0.41	0.025	0.64	0.192	4.88	Black/Red	28.0
C6352A	3	20	7/28	0.016	0.41	0.032	0.81	0.216	5.50	1	28.0
C6353A	4	20	7/28	0.016	0.41	0.032	0.81	0.235	5.97	1	28.0
C6355A	5	20	7/28	0.016	0.41	0.032	0.81	0.254	6.46	1	28.0
C6356A	7	20	7/28	0.016	0.41	0.032	0.81	0.275	6.99	1	28.0
C6357A	9	20	7/28	0.016	0.41	0.032	0.81	0.317	8.05	1	28.0
C6360A	12	20	7/28	0.016	0.41	0.032	0.81	0.354	9.00	2	28.0
C6358A	15	20	7/28	0.016	0.41	0.032	0.81	0.392	9.96	2	28.0
C2830A†	2	18	16/30	0.016	0.41	0.015	0.64	0.190	5.33	Black/Red	30.5
C2831A	3	18	16/30	0.016	0.41	0.032	0.81	0.236	5.99	1	30.5
C2404A	4	18	16/30	0.016	0.41	0.032	0.81	0.258	6.55	1	30.5
C2420A	5	18	16/30	0.016	0.41	0.032	0.81	0.280	7.11	1	30.5
C2421A	7	18	16/30	0.016	0.41	0.032	0.81	0.309	7.85	1	30.5
C2422A	9	18	16/30	0.016	0.41	0.032	0.81	0.358	9.09	1	30.5
C2412A	12	18	16/30	0.016	0.41	0.032	0.81	0.401	10.19	2	30.5
C2423A	15	18	16/30	0.016	0.41	0.032	0.81	0.445	11.30	2	30.5
C2424A	19	18	16/30	0.016	0.41	0.032	0.81	0.469	11.91	2	30.5
C2433A	25	18	16/30	0.016	0.41	0.032	0.81	0.550	13.94	2	30.5

*Capacitance between conductors

**CSA or c(UL)

†CM (UL) c(UL), CSA CMG Only

Data subject to change.

COLOR CODE CHART 1

For cables up to and including 9 conductors

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

COLOR CODE CHART 2 PER ICEA

For cables of 12 thru 25 conductors

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



Multi-Conductor, Unshielded

UL 2464, UL 2587, NEC Type CL3, NEC/CEC Type CMG UL/CSA**

Product Construction:

Conductor:

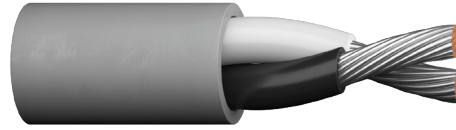
- 16 thru 12 AWG fully annealed stranded tinned copper per ASTM B33

Insulation:

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

Jacket:

- PVC, gray
- Temperature range: -20°C to +105°C
- Low Smoke



Applications:

- Public address systems
- Intercoms
- Internal telephones
- Remote control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 725 Type CL3 (UL: 105°C)
- NEC Article 800 Type CM (UL: 105°C)
- UL Style 2464 (UL: 80°C, 300 V)
- UL Style 2587 (UL: 80°C, 600 V)
- CSA CMG (CSA: 105°C)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA CMG Flame Test
- Sunlight Resistant

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
				in	mm	in	mm	in	mm	

NEC TYPE CM, UL STYLE 2464 (80°C, 300 VOLTS)

C2405A	2	16	19/0117	0.021	0.53	0.032	0.81	0.260	6.81	30.5
C2406A	3	16	19/0117	0.021	0.53	0.032	0.81	0.283	7.19	30.5
C2425A	4	16	19/0117	0.021	0.53	0.032	0.81	0.306	7.77	30.5
C2434A	5	16	19/0117	0.021	0.53	0.032	0.81	0.334	8.48	30.5
C2426A	7	16	19/0117	0.021	0.53	0.032	0.81	0.363	9.25	30.5
C2443A	8	16	19/0117	0.021	0.53	0.032	0.81	0.393	10.03	30.5
C2435A	9	16	19/0117	0.021	0.53	0.032	0.81	0.423	10.80	30.5
C2427A	12	16	19/0117	0.021	0.53	0.032	0.81	0.476	12.17	30.5
C2428A	15	16	19/0117	0.021	0.53	0.032	0.81	0.530	13.46	30.5
C2429A	19	16	19/0117	0.021	0.53	0.032	0.81	0.559	14.33	30.5
C2436A	25	16	19/0117	0.021	0.53	0.032	0.81	0.657	16.69	30.5

NEC TYPE CL3, UL STYLE 2587 (90°C, 600 VOLTS)

C2409A	2	14	19/0147	0.032	0.81	0.032	0.81	0.326	8.51	29.0
C2430A	4	14	19/0147	0.032	0.81	0.032	0.81	0.391	9.93	28.2
C2437A	5	14	19/0147	0.032	0.81	0.032	0.81	0.428	10.87	28.2
C2431A	7	14	19/0147	0.032	0.81	0.032	0.81	0.469	11.91	28.2
C2410A	2	12	19/0.0185	0.032	0.81	0.032	0.81	0.366	9.40	31.0
C2440A	4	12	19/0.0185	0.032	0.81	0.032	0.81	0.437	11.02	31.0

*Capacitance between conductors

**CSA or c(UL)

Data subject to change.

COLOR CODE CHART PER ICEA

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



Multi-Conductor, Unshielded

AWM Style 2464, CSA Type AWM I/II A/B, NEC/CEC Type CMG (CSA C/US)



Product Construction:

Conductor:

- 20 or 18 AWG fully annealed, stranded tinned copper per ASTM B33

Insulation:

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

Jacket:

- PVC, gray
- Temperature range: -20°C to +105°C

Applications:

- Public address systems
- Intercoms
- Internal telephones
- Remote control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 or 600 volts

Compliances:

- AWM Style 2464 (UL: 80°C, 300 V)
- CSA Type AWM (105°C, 600 V)
- CSA Certified CMG to harmonized standard UL 444 and CSA 22.2 No. 214
- NEC/CEC Type CMG (CSA: 105°C, 300 V)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA FT4 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.		COLOR CODE	NOM. C-C CAP.* pF/ft
				in	mm	in	mm	in	mm		
C4117A	2	20	7/28	0.016	0.30	0.032	0.81	0.206	4.67	Black/Red	31.0
C4118A	3	20	7/28	0.016	0.30	0.032	0.81	0.216	4.90	1	31.0
C4119A	4	20	7/28	0.016	0.30	0.032	0.81	0.235	5.31	1	31.0
C4120A	5	20	7/28	0.016	0.30	0.032	0.81	0.254	5.74	1	31.0
C4121A	7	20	7/28	0.016	0.30	0.032	0.81	0.275	6.20	1	31.0
C4122A	9	20	7/28	0.016	0.30	0.032	0.81	0.317	7.14	1	31.0
C4123A	12	20	7/28	0.016	0.30	0.032	0.81	0.354	7.95	2	31.0
C4124A	15	20	7/28	0.016	0.30	0.032	0.81	0.392	8.36	2	31.0
C4125A	2	18	16/30	0.016	0.30	0.032	0.81	0.224	5.13	Black/Red	34.0
C4214A	2	18	16/30	0.016	0.30	0.032	0.81	0.224	5.13	1	34.0
C4126A	3	18	16/30	0.016	0.30	0.032	0.81	0.236	5.41	1	34.0
C4127A	4	18	16/30	0.016	0.30	0.032	0.81	0.258	5.87	1	34.0
C4128A	5	18	16/30	0.016	0.30	0.032	0.81	0.280	6.35	1	34.0
C4206A	6	18	16/30	0.016	0.30	0.032	0.81	0.304	6.76	1	34.0
C4129A	7	18	16/30	0.016	0.30	0.032	0.81	0.309	6.88	1	34.0
C4130A	9	18	16/30	0.016	0.30	0.032	0.81	0.358	7.98	1	34.0
C4131A	12	18	16/30	0.016	0.30	0.032	0.81	0.401	8.92	2	34.0
C4132A	15	18	16/30	0.016	0.30	0.032	0.81	0.445	9.86	2	34.0
C4133A	19	18	16/30	0.016	0.30	0.032	0.81	0.469	10.39	2	34.0
C4134A	25	18	16/30	0.016	0.30	0.032	0.81	0.549	12.14	2	34.0

*Capacitance between conductors
Data subject to change.

COLOR CODE CHART 1

For cables up to and including 9 conductors

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

COLOR CODE CHART 2 PER ICEA

For cables of 12 thru 25 conductors

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



Multi-Conductor, Unshielded

AWM Styles 2464, 2587, CSA Type AWM I/II A/B, NEC/CEC Type CMG (CSA C/US), or NEC Type CL2

Product Construction:

Conductor:

- 16 thru 12 AWG fully annealed, stranded tinned copper per ASTM B33

Insulation:

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

Jacket:

- PVC, gray
- Temperature range: -20°C to +105°C

Applications:

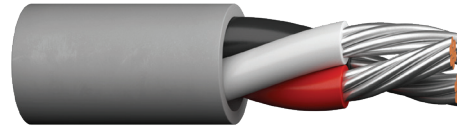
- Public address systems
- Intercoms
- Internal telephones
- Remote control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 or 600 volts

Compliances:

- AWM Style 2464 (UL: 80°C, 300 V)
- AWM Style 2587 (UL: 90°C, 600 V)
- CSA Type AWM (105°C, 600 V)
- CSA Certified CMG to harmonized standard UL 444 and CSA 22.2 No. 214
- NEC/CEC Type CMG (CSA: 105°C, 300 V)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA FT4 Vertical Flame Test
- UL Certified CL2 to Standard UL 13

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
				in	mm	in	mm	in	mm	

AWM STYLE 2464, CSA TYPE AWM, CSA C/US TYPE CMG

C4135A	2	16	19/0117	0.021	0.53	0.032	0.81	0.268	6.81	27.0
C4136A	3	16	19/0117	0.021	0.53	0.032	0.81	0.283	7.19	27.0
C4137A	4	16	19/0117	0.021	0.53	0.032	0.81	0.306	7.77	27.0
C4138A	5	16	19/0117	0.021	0.53	0.032	0.81	0.334	8.48	27.0
C4139A	7	16	19/0117	0.021	0.53	0.032	0.81	0.364	9.25	27.0
C4140A	8	16	19/0117	0.021	0.53	0.032	0.81	0.395	10.03	27.0
C4141A	9	16	19/0117	0.021	0.53	0.032	0.81	0.425	10.80	27.0
C4142A	12	16	19/0117	0.021	0.53	0.032	0.81	0.479	12.17	27.0
C4143A	15	16	19/0117	0.021	0.53	0.032	0.81	0.530	13.46	27.0
C4144A	19	16	19/0117	0.021	0.53	0.032	0.81	0.564	14.33	27.0
C4145A	25	16	19/0117	0.021	0.53	0.032	0.81	0.657	16.69	27.0

AWM STYLE 2587, CSA TYPE AWM (FT4), NEC TYPE CL2**

C4146A	2	14	19/0147	0.032	0.81	0.032	0.81	0.334	8.48	25.0
C4147A	4	14	19/0147	0.032	0.81	0.032	0.81	0.391	9.93	25.0
C4148A	5	14	19/0147	0.032	0.81	0.032	0.81	0.428	10.87	25.0
C4149A	7	14	19/0147	0.032	0.81	0.032	0.81	0.469	11.91	25.0
C4150A	2	12	19/0185	0.032	0.81	0.032	0.81	0.370	9.40	29.4
C4151A	4	12	19/0185	0.032	0.81	0.032	0.81	0.434	11.02	29.4

* Capacitance between conductors
Data subject to change.

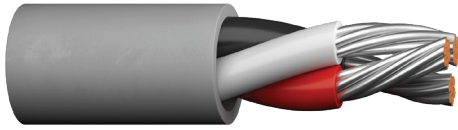
COLOR CODE CHART 2 PER ICEA

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



Multi-Conductor, Unshielded

AWM Style 2464, CSA Type AWM I/II A/B, NEC/CEC Type CMG (CSA C/US)



Product Construction:

Conductor:

- 22 AWG fully annealed, stranded tinned copper per ASTM B33

Insulation:

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

Jacket:

- PVC, gray
- Temperature range: -20°C to +105°C

Applications:

- Public address systems
- Intercoms
- Internal telephones
- Remote control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 or 600 volts

Compliances:

- AWM Style 2464 (UL: 80°C, 300 V)
- CSA Type AWM (105°C, 600 V)
- CSA Certified CMG to harmonized standard UL 444 and CSA 22.2 No. 214
- NEC/CEC Type CMG (CSA: 105°C, 300 V)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA FT4 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.		COLOR CODE	NOM. C-C CAP.* pF/ft
				in	mm	in	mm	in	mm		
C4100A	2	22	7/30	0.011	0.28	0.032	0.81	0.165	4.19	Black/Red	27.5
C4101A	3	22	7/30	0.011	0.28	0.032	0.81	0.176	4.47	Black/Red/Green	27.5
C4102A	4	22	7/30	0.011	0.28	0.032	0.81	0.189	4.80	1	27.5
C4103A	5	22	7/30	0.011	0.28	0.032	0.81	0.203	5.16	1	27.5
C4104A	6	22	7/30	0.011	0.28	0.032	0.81	0.208	5.28	1	27.5
C4105A	7	22	7/30	0.011	0.28	0.032	0.81	0.218	5.54	1	27.5
C4106A	8	22	7/30	0.011	0.28	0.032	0.81	0.234	5.94	1	27.5
C4107A	9	22	7/30	0.011	0.28	0.032	0.81	0.249	6.32	1	27.5
C4108A	10	22	7/30	0.011	0.28	0.032	0.81	0.268	6.81	1	27.5
C4109A	12	22	7/30	0.011	0.28	0.032	0.81	0.276	7.01	1	27.5
C4110A	15	22	7/30	0.011	0.28	0.032	0.81	0.303	7.70	2	27.5
C4111A	18	22	7/30	0.011	0.28	0.032	0.81	0.318	8.08	2	27.5
C4112A	20	22	7/30	0.011	0.28	0.032	0.81	0.334	8.48	2	27.5
C4113A	25	22	7/30	0.011	0.28	0.032	0.81	0.368	9.35	2	27.5
C4114A	30	22	7/30	0.011	0.28	0.032	0.81	0.389	9.88	2	27.5
C4115A	40	22	7/30	0.011	0.28	0.032	0.81	0.434	11.02	2	27.5
C4116A	50	22	7/30	0.011	0.28	0.032	0.81	0.489	12.42	2	27.5

*Capacitance between conductors
Data subject to change.

COLOR CODE CHART

For cables up to and including 12 conductors

NO. OF COND.	COLOR	NO. OF COND.	COLOR	NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	4	Green	7	Orange	10	Gray
2	White	5	Brown	8	Yellow	11	Pink
3	Red	6	Blue	9	Purple	12	Tan

COLOR CODE CHART 2 PER ICEA

For cables of 15 thru 50 conductors

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



Multi-Conductor, Unshielded

CSA Type AWM I/II A/B, NEC/CEC Type CMG (CSA C/US)

Product Construction:

Conductor:

- 22 thru 14 AWG fully annealed stranded tinned copper per ASTM B33

Insulation:

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

Jacket:

- PVC, gray
- Temperature range: -20°C to +105°C
- Includes ripcord

Applications:

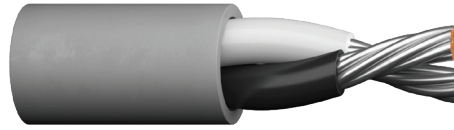
- Public address systems
- Intercoms
- Internal telephones
- Suggested voltage rating: 300 or 600 volts

Compliances:

- CSA Type AWM (105°C, 600 V)
- NEC/CEC Type CMG (CSA: 105°C, 300 V)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA FT4 Vertical Flame Test

Packaging:

- Please contact Customer Service for packaging and color options



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INS. THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		COLOR CODE	NOM C-C. CAP. pF/ft
				in	mm	in	mm	in	mm		
CSA TYPE AWM, CSA C/US TYPE CMG											
C6700A	2	22	7/30	0.011	0.28	0.016	0.41	0.134	3.40	2	23.5
C6701A	3	22	7/30	0.011	0.28	0.016	0.41	0.142	3.61	2	23.5
C6702A	4	22	7/30	0.011	0.28	0.016	0.41	0.155	3.94	2	23.5
C6704A	6	22	7/30	0.011	0.28	0.016	0.41	0.185	4.70	2	23.5
C6717A	2	20	7/28	0.011	0.28	0.016	0.41	0.148	3.76	2	25.7
C6718A	4	20	7/28	0.011	0.28	0.016	0.41	0.157	3.99	2	25.7
C6725A	2	18	16/30	0.012	0.30	0.016	0.41	0.172	4.37	1	27.3
C6714A	2	18	16/30	0.012	0.30	0.016	0.41	0.172	4.37	2	27.3
C6726A	3	18	16/30	0.012	0.30	0.016	0.41	0.183	4.65	2	27.3
C6727A	4	18	16/30	0.012	0.30	0.016	0.41	0.201	5.11	2	27.3
C6706A	6	18	16/30	0.012	0.30	0.016	0.41	0.242	6.15	2	27.3
C6735A	2	16	19/0117	0.012	0.30	0.016	0.41	0.192	4.88	2	29.4
C6736A	3	16	19/0117	0.012	0.30	0.016	0.41	0.204	5.18	2	29.4
C6737A	4	16	19/0117	0.012	0.30	0.016	0.41	0.226	5.74	2	29.4
CSA TYPE AWM (FT4)											
C6746A	2	14	19/0147	0.015	0.38	0.016	0.41	0.234	5.94	2	30.8
C6747A	4	14	19/0147	0.015	0.38	0.016	0.41	0.276	7.01	2	30.8

*A – Capacitance between conductors

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

Data subject to change.

COLOR CODE CHART 1

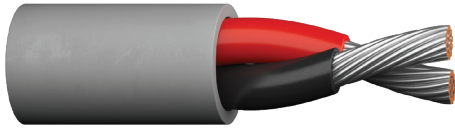
NO. OF COND.	COLOR
1	Black
2	White

COLOR CODE CHART 2

NO. OF COND.	COLOR
1	Black
2	White
3	Red
4	Green
5	Brown
6	Blue
7	Orange
8	Yellow

Power-Limited Tray Cable, Unshielded

NEC Type PLTC, NEC/CEC Type CMG UL/CSA**



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. C-C CAP.* pF/ft
				in	mm	in	mm	in	mm	
C0431A	2	22	7/30	0.013	0.33	0.037	0.94	0.185	4.70	27.5
C0432A	3	22	7/30	0.013	0.33	0.037	0.94	0.193	4.90	27.5
C0433A	2	20	7/28	0.013	0.33	0.037	0.94	0.198	5.03	30.5
C0434A	3	20	7/28	0.013	0.33	0.037	0.94	0.208	5.28	30.5
C0435A	2	18	16/30	0.013	0.33	0.037	0.94	0.216	5.49	32.5
C0436A	3	18	16/30	0.013	0.33	0.037	0.94	0.227	5.77	32.5
C0444A	4	18	16/30	0.013	0.33	0.037	0.94	0.245	6.22	32.5
C0437A	2	16	19/0117	0.013	0.33	0.037	0.94	0.238	6.05	37.0
C0438A	3	16	19/0117	0.013	0.33	0.037	0.94	0.250	6.35	37.0
C0439A*	2	14	19/0147	0.013	0.33	0.042	1.07	0.278	7.06	40.5
C0440A*	3	14	19/0147	0.013	0.33	0.042	1.07	0.293	7.44	40.5
C0441A*	2	12	19/0185	0.013	0.33	0.042	1.07	0.315	8.00	44.0

*NEC Type PLTC Only

**CSA or c(UL)

Data subject to change.

COLOR CODE CHART

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

Product Construction:

Conductor:

- 22 thru 12 AWG fully annealed stranded tinned copper per ASTM B33

Insulation:

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

Jacket:

- PVC, gray
- Sunlight-resistant
- Temperature range: -20°C to +105°C

Applications:

- Cable tray installations
- Power limited circuits
- Intercom systems
- Business machines
- Cash registers
- Automatic valve control systems
- Irrigation systems
- Suggested voltage rating: 300 volts
- Burglar alarms

Features:

- UL rated for cable tray use

Compliances:

- NEC Article 725 Power-Limited Tray Cable (UL: 105°C, 300 V)
- NEC/CEC Type CMG (UL/CSA: 105°C, 300 V)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)

Packaging:

- Please contact Customer Service for packaging and color options

Multi-Conductor, Foil Shield

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

Product Construction:

Conductor:

- 24 thru 12 AWG fully annealed solid or stranded tinned copper per ASTM B33

Insulation:

- Premium-grade, color-coded polyethylene
- Premium-grade, color-coded polypropylene
- Color code: See charts 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:

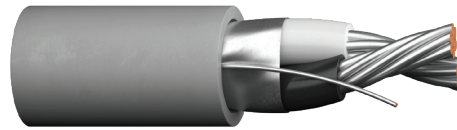
- Recording studios and sound stages
- Broadcast and sound systems
- Computers
- Industrial equipment control
- Suggested voltage rating: 300 or 600 volts

Compliances:

- UL Style 2092 (UL: 60°C, 300 V)
- UL Style 2093 (UL: 60°C, 300 V)
- UL Style 2094 (UL: 60°C, 300 V)
- UL Style 2106 (UL: 60°C, 600 V)
- UL Style 2107 (UL: 60°C, 600 V)
- UL Style 2464 (UL: 80°C, 300 V)
- NEC Article 725 Type CL2 (UL: 75°C)
- NEC Article 800 Type CM (UL: 75°C)
- RoHS Compliant Directive 2011/65/EU
- CSA CMH (CSA: 60 °C)
- Passes CSA CMH Flame Test
- CE: Low Voltage Directive (LVD) 2006/95/EC

Packaging:

- Please contact Customer Service for packaging and color options
- Data subject to change.



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 2092, CM (UL) c(UL) CMH, 300 V

C2513A	2	24	7/32	0.016	0.41	0.026	0.66	0.167	4.24	18.0	33.0
C2514A	2	22	7/30	0.016	0.41	0.020	0.51	0.167	4.24	20.0	36.0
C2524A	2	20	7/28	0.016	0.41	0.020	0.51	0.183	4.65	22.5	40.5
C2534A	2	18	16/30	0.016	0.41	0.020	0.51	0.201	5.21	25.5	45.5

Polyethylene Insulation, Color Code Chart #1

UL STYLE 2093, CM (UL) c(UL) CMH, 300 V

C2526A	3	22	7/30	0.016	0.41	0.030	0.76	0.196	4.98	18.5	33.5
C2528A	3	20	7/28	0.016	0.41	0.030	0.76	0.210	5.34	21.0	37.5
C2525A	3	20	7/28	0.016	0.41	0.030	0.76	0.213	5.41	21.0	37.0
C2535A	3	18	16/30	0.016	0.41	0.020	0.51	0.213	5.56	23.0	41.0

Polyethylene Insulation, Color Code Chart #1

UL STYLE 2094, CM (UL) c(UL) CMH, 300 V

C2523A	4	22	7/30	0.016	0.41	0.030	0.76	0.213	5.41	18.5	33.5
C2555A	4	20	7/28	0.016	0.41	0.030	0.76	0.234	5.94	20.5	36.5

Polyethylene Insulation, Color Code Chart #1

UL STYLE 2311, CSA, 600 V

C2536A*	2	16	19/0117	0.031	0.79	0.032	0.81	0.307	7.80	20.0	36.0
C2538A**	2	14	19/0147	0.031	0.79	0.032	0.81	0.335	8.51	23.0	42.0
C2539A**	2	12	19/0185	0.032	0.81	0.032	0.81	0.376	9.55	26.0	46.0

* CM (UL) c(UL) CMH

** CL2

Polyethylene Insulation, Color Code Chart #1

UL STYLE 2464, CL2/CM (UL) c(UL) CMH, 300 V

C2540A	2	20	7/28	0.013	0.33	0.032	0.81	0.194	4.9	49.7	89.5
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PVC Insulation, Color Code Chart #2

CM (UL) c(UL) CMH, 300 V

C2515A	2	22	Solid	0.007	0.18	0.020	0.51	0.124	3.15	30.0	55.0
C2516A	2	22	7/30	0.008	0.20	0.020	0.51	0.137	3.48	28.0	51.0
C2517A	3	22	7/30	0.008	0.20	0.020	0.51	0.144	3.36	25.0	45.0

Polypropylene Insulation, Color Code Chart #2

***A – Capacitance between conductors

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

COLOR CODE CHART 1

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

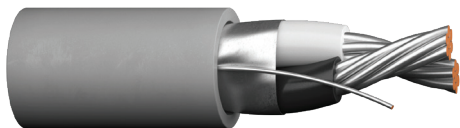
COLOR CODE CHART 1

NO. OF COND.	COLOR
1	Black
2	Red
3	Neutral



Multi-Conductor, Foil Shield

UL 2092, NEC Type CM (UL) c(UL) CMH



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

UL STYLE 2092, CM (UL) C(UL) CMH, 300 V

C2518A	2	22	7/30	0.016	0.41	0.026	0.66	0.181	4.60	20.0	36.0
C2519A	2	20	7/28	0.016	0.41	0.028	0.71	0.201	5.11	21.5	38.5
C2521A	2	18	16/30	0.018	0.46	0.028	0.71	0.229	5.82	23.5	43.0

Polyethylene Insulation, Color Code Chart #1

CM (UL) C(UL) CMH, CSA CMG, 300 V

C2520A	2	22	7/30	0.008	0.20	0.020	0.51	0.137	3.48	28.0	50.0
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Polypropylene Insulation, Color Code Chart #2

*A – Capacitance between conductors

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

Data subject to change.

COLOR CODE CHART 1

NO. OF COND.	COLOR
1	Black
2	Neutral

COLOR CODE CHART 2

NO. OF COND.	COLOR
1	Black
2	Red

Product Construction:

Conductor:

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

Insulation:

- Premium-grade, color-coded polyethylene or polypropylene
- Color code: See charts below

Shield:

- 100% aluminum/polyester foil "bonded" to jacket, foil facing in
- Stranded tinned copper drain wire

Jacket:

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

Applications:

- Control circuits
- Data and signal transmission
- Computer interconnections
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2092 (UL: 60°C, 300 V)
- CSA CMH (CSA: 60°C)
- CSA CMG (CSA: 60°C)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA CMH Flame Test

Packaging:

- Please contact Customer Service for packaging and color options

Multi-Conductor, Foil Shield

UL 2464, NEC/CEC Type CMG UL/CSA**

Product Construction:

Conductor:

- 18 AWG fully annealed stranded tinned copper per ASTM B33

Insulation:

- Premium-grade, color-coded 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 +105°C

Applications:

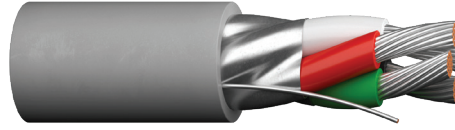
- Audio, broadcast, instrumentation and sound systems
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800 Type CM (UL: 105°C)
- UL Style 2464 (UL: 105°C, 300 V)
- CSA CMG (105°C)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA CMG 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. CAP.* pF/ft	
				in	mm	in	mm	in	mm	A	B
C2543A	4	18	19/30	0.010	0.25	0.032	0.81	0.238	6.05	47	84.5

*A – Capacitance between conductors

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

**CSA or c(UL)

Data subject to change.

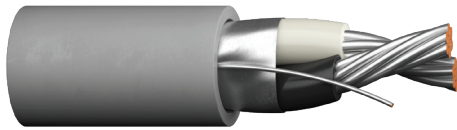
COLOR CODE CHART

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



Multi-Conductor, Foil Shield

AWM Styles 2464, CSA Type AWM I/II A/B, NEC/CEC Type CMG (CSA C/US), or NEC Type CL2



Product Construction:

Conductor:

- 22 thru 12 AWG fully annealed stranded tinned copper per ASTM B33

Insulation:

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

Shield:

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

Jacket:

- PVC, gray
- Temperature range: -20°C to +105°C

Applications:

- Recording studios and sound stages
- Broadcast and sound systems
- Industrial equipment control
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 or 600 volts

Compliances:

- AWM Style 2464 (UL: 80°C, 300 V)
- CSA Type AWM (105°C, 600 V)
- CSA Certified CMG to harmonized standard UL 444 and CSA 22.2 No. 214
- NEC/CEC Type CMG (CSA: 105°C, 300 V)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA FT4 Vertical Flame Test
- UL Certified CL2 to Standard UL 13
- Sunlight Resistant

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.		COLOR CODE	NOM. CAP.* pF/ft	
				in	mm	in	mm	in	mm		A	B

AWM STYLE 2464, CSA TYPE AWM, CSA C/US TYPE CMG

C4192A	2	22	7/30	0.011	0.28	0.032	0.81	0.171	4.34	1	47.0	85.0
C4210A	2	22	7/30	0.011	0.28	0.032	0.81	0.171	4.34	2	47.0	85.0
C4193A	3	22	7/30	0.011	0.28	0.032	0.81	0.179	4.55	2	43.0	76.0
C4194A	4	22	7/30	0.011	0.28	0.032	0.81	0.192	4.88	2	43.0	76.0
C4207A	6	22	7/30	0.011	0.28	0.032	0.81	0.218	5.54	2	43.0	76.0
C4208A	8	22	7/30	0.011	0.28	0.032	0.81	0.238	6.05	2	43.0	76.0
C4166A	2	20	7/28	0.012	0.30	0.032	0.81	0.189	4.80	1	46.0	83.0
C4211A	2	20	7/28	0.012	0.30	0.032	0.81	0.189	4.80	2	46.0	83.0
C4195A	3	20	7/28	0.012	0.30	0.032	0.81	0.200	5.08	2	42.0	75.0
C4196A	4	20	7/28	0.012	0.30	0.032	0.81	0.216	5.49	2	42.0	75.0
C4197A	2	18	16/30	0.012	0.30	0.032	0.81	0.205	5.20	1	51.0	92.0
C4212A	2	18	16/30	0.012	0.30	0.032	0.81	0.205	5.20	2	51.0	92.0
C4198A	3	18	16/30	0.012	0.30	0.032	0.81	0.214	5.44	2	46.0	83.0
C4204A	4	18	16/30	0.012	0.30	0.032	0.81	0.236	5.99	2	46.0	83.0
C4205A	6	18	16/30	0.012	0.30	0.032	0.81	0.271	6.88	2	46.0	83.0
C4199A	2	16	19/0117	0.012	0.30	0.032	0.81	0.229	5.82	1	62.0	112.0
C4213A	2	16	19/0117	0.012	0.30	0.032	0.81	0.229	5.82	2	62.0	112.0
C4200A	3	16	19/0117	0.012	0.30	0.032	0.81	0.241	6.12	2	58.0	104.0

AWM STYLE 2464, CSA TYPE AWM (FT4), NEC TYPE CL2*

C4201A	2	14	19/0147	0.015	0.38	0.032	0.81	0.271	6.88	1	60.0	107.0
C4215A	2	14	19/0147	0.015	0.38	0.032	0.81	0.271	6.88	2	60.0	107.0
C4202A	2	12	19/0185	0.015	0.38	0.032	0.81	0.307	7.80	1	64.0	116.0

*A – Capacitance between conductors

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

COLOR CODE CHART 1

NO. OF COND.	COLOR
1	Black
2	Red

COLOR CODE CHART 2

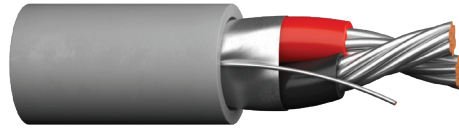
For cables up to and including 9 conductors

NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	5	Brown
2	White	6	Blue
3	Red	7	Orange
4	Green	8	Yellow



Multi-Conductor, Foil Shield

CSA Type AWM I/II A/B, NEC/CEC Type CMG (CSA C/US)



Product Construction:

Conductor:

- 22 thru 14 AWG fully annealed stranded tinned copper per ASTM B33

Insulation:

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

Shield:

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

Jacket:

- PVC, gray
- Temperature range: -20°C to +105°C
- Includes ripcord

Applications:

- Recording studios and sound stages
- Broadcast and sound systems
- Suggested voltage rating: 300 or 600 volts

Compliances:

- CSA Type AWM (105°C, 600 V)
- NEC/CEC Type CMG (CSA: 105°C, 300 V)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA FT4 Vertical Flame Test

Packaging:

- Please contact Customer Service for packaging and color options

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INS. THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		COLOR CODE	NOM. CAP.* pF/ft	
				in	mm	in	mm	in	mm		A	B

CSA TYPE AWM, CSA C/US TYPE CMG

C6892A	2	22	7/30	0.011	0.28	0.016	0.41	0.139	3.53	1	37.7	67.8
C6810A	2	22	7/30	0.011	0.28	0.016	0.41	0.139	3.53	2	37.7	67.8
C6893A	3	22	7/30	0.011	0.28	0.016	0.41	0.147	3.73	2	34.3	61.7
C6894A	4	22	7/30	0.011	0.28	0.016	0.41	0.160	4.06	2	34.3	61.7
C6807A	6	22	7/30	0.011	0.28	0.016	0.41	0.190	4.83	2	31.7	57.0
C6866A	2	20	7/28	0.011	0.28	0.016	0.41	0.153	3.89	1	42.2	76.0
C6811A	2	20	7/28	0.011	0.28	0.016	0.41	0.153	3.89	2	38.0	68.4
C6896A	4	20	7/28	0.011	0.28	0.016	0.41	0.177	4.50	2	34.8	62.7
C6897A	2	18	16/30	0.012	0.30	0.016	0.41	0.175	4.45	1	45.4	81.6
C6812A	2	18	16/30	0.012	0.30	0.016	0.41	0.175	4.45	2	45.4	81.6
C6898A	3	18	16/30	0.012	0.30	0.016	0.41	0.185	4.70	2	40.5	72.9
C6804A	4	18	16/30	0.012	0.30	0.016	0.41	0.204	5.18	2	40.5	72.9
C6805A	6	18	16/30	0.012	0.30	0.016	0.41	0.244	6.20	2	36.9	68.4
C6899A	2	16	19/0117	0.012	0.30	0.016	0.41	0.197	5.00	1	53.6	96.4
C6813A	2	16	19/0117	0.012	0.30	0.016	0.41	0.197	5.00	2	53.6	96.4
C6800A	3	16	19/0117	0.012	0.30	0.016	0.41	0.209	5.31	2	47.0	84.6
C6837A	4	16	19/0117	0.012	0.30	0.016	0.41	0.231	5.87	2	47.0	84.6

CSA TYPE AWM (FT4)

C6801A	2	14	19/0147	0.015	0.38	0.016	0.41	0.239	6.07	1	54.0	97.2
C6815A	2	14	19/0147	0.015	0.38	0.016	0.41	0.239	6.07	2	54.0	97.2

*A - Capacitance between conductors

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

Data subject to change.

COLOR CODE CHART 1

NO. OF COND.	COLOR
1	Black
2	Red

COLOR CODE CHART 2

NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	5	Brown
2	White	6	Blue
3	Red	7	Orange
4	Green	8	Yellow

Power-Limited Tray Cable, Foil Shield

NEC Type PLTC, NEC/CEC Type CMG UL/CSA**

Product Construction:

Conductor:

- 22 thru 12 AWG fully annealed stranded tinned copper per ASTM B33

Insulation:

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

Shield:

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

Jacket:

- PVC, gray
- Sunlight-resistant
- Temperature range: -20°C to +105°C

Applications:

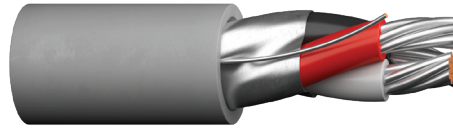
- Cable tray installations
- Power limited circuits
- Intercom systems
- Business machines
- Cash registers
- Industrial control systems
- Petrochemical refineries
- Suggested voltage rating: 300 volts
- Burglar alarms
- UL tray cable rated

Compliances:

- NEC Article 725 Power-Limited Tray Cable (UL: 105°C, 300 V)
- NEC/CEC Type CMG (UL/CSA: 105°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.* pF/ft	
				in	mm	in	mm	in	mm	A	B
C0450A	2	22	7/30	0.013	0.33	0.037	0.94	0.191	4.85	43.0	77.5
C0451A	3	22	7/30	0.013	0.33	0.037	0.94	0.199	5.05	39.5	71.0
C0452A	2	20	7/28	0.013	0.33	0.037	0.94	0.207	5.26	48.5	87.0
C0453A	3	20	7/28	0.013	0.33	0.037	0.94	0.217	5.51	44.0	79.0
C0454A	2	18	16/30	0.013	0.33	0.037	0.94	0.221	5.61	54.5	98.0
C0455A	3	18	16/30	0.013	0.33	0.037	0.94	0.232	5.89	49.0	88.0
C0456A	2	16	19/0117	0.013	0.33	0.037	0.94	0.243	6.17	64.0	115.5
C0457A	3	16	19/0117	0.013	0.33	0.037	0.94	0.255	6.48	56.5	102.0
C0458A**	2	14	19/0147	0.013	0.33	0.042	1.07	0.288	7.32	72.5	131.0
C0459A**	3	14	19/0147	0.013	0.33	0.042	1.07	0.298	7.57	63.0	113.5
C0460A**	2	12	19/0185	0.013	0.33	0.042	1.07	0.315	8.00	80.5	145.0

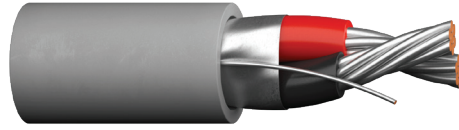
*NEC Type PLTC Only
 **CSA or c(UL)
 Data subject to change.

COLOR CODE CHART

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

Multi-Conductor, Spiral Shield

UL 2095, NEC Type CL2, NEC/CEC Type CMG UL/CSA**



Product Construction:

Conductor:

- 22 thru 16 AWG fully annealed stranded tinned copper per ASTM B33

Insulation:

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

Shield:

- 85% spiral tinned copper

Jacket:

- PVC, gray
- Temperature range: -20°C to +105°C

Applications:

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

Compliances:

- NEC Article 800 Type CM (UL: 105°C)
- UL Style 2095 (UL: 105°C, 300 V)
- CSA CMG (CSA: 105°C)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA CMG Flame Test
- NEC Article 725 Type CL2 (UL: 105°C)

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

UL STYLE 2095, CM (UL) C(UL), CSA CMG, 300 V

C2882A	2	22	7/30	0.015	0.38	0.032	0.81	0.197	5.00	40.0	72.0
C2888A	2	20	7/28	0.016	0.41	0.032	0.81	0.215	5.46	44.0	80.2

Color Code Chart #1

CL2/CM (UL) C(UL), CSA CMG, 300 V

C1335A	3	22	7/30	0.015	0.38	0.032	0.81	0.206	5.23	37.0	67.0
C1337A	4	22	7/30	0.015	0.38	0.032	0.81	0.222	5.64	37.0	67.0
C1341A	6	22	7/30	0.015	0.38	0.032	0.81	0.257	6.53	34.5	62.0
C2768A	3	18	7/26	0.020	0.51	0.032	0.81	0.266	6.76	41.0	74.0

Color Code Chart #1

CM (UL) C(UL), CSA CMG, 300 V

C2892A	2	18	16/30	0.016	0.41	0.032	0.81	0.252	6.40	49.5	89.0
C2895A	2	16	19/0117	0.016	0.41	0.032	0.81	0.265	6.73	58.0	104.0

Color Code Chart #2

*A – Capacitance between conductors

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

**CSA or c(UL)

Data subject to change.

COLOR CODE CHART 1

NO. OF COND.	COLOR
1	Black
2	Red
3	White
4	Green
5	Yellow
6	Blue

COLOR CODE CHART 2

CATALOG NUMBER	CONDUCTOR	COLOR
C2892A	1	White
	2	Red
C2895A	1	White
	2	Black



Multi-Conductor, Braid Shield

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

Product Construction:

Conductor:

- 22 AWG fully annealed solid or stranded tinned copper per ASTM B33

Insulation:

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

Shield:

- 88% tinned copper braid
- Stranded or solid tinned copper drain wire

Jacket:

- PVC, black
- Temperature range: -20°C to +105°C

Applications:

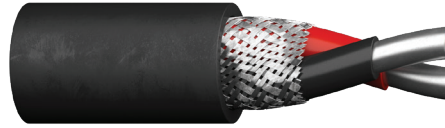
- Electronic circuits where RF shielding is required
- Radio transmitters
- Sound systems
- Recording studios
- Good flexibility
- Excellent shielding for noise reduction
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800 Type CM (UL: 105°C)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- NEC Article 725 Type CL2 (UL: 105°C)

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
C2676A	2	22	Solid	0.015	0.38	0.032	0.81	0.209	5.31	38.6	69.4
C2677A	2	22	7/30	0.015	0.38	0.032	0.81	0.211	5.36	39.3	70.7

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

Multi-Conductor, Braid Shield

UL 2092, 2093, 2094, NEC Type CM (UL) c(UL) CMH



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

AWM STYLE 2092, CM (UL) C(UL) CMH, 300 V

C1642A	2	20	26/34	0.016	0.38	0.029	0.74	0.226	5.74	24.0	43.0
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AWM STYLE 2093, CM (UL) C(UL) CMH, 300 V

C1643A	3	20	26/34	0.016	0.38	0.029	0.74	0.236	5.99	22.0	40.0
--------	---	----	-------	-------	------	-------	------	-------	------	------	------

AWM STYLE 2094, CM (UL) C(UL) CMH 300 V

C1644A	4	20	26/34	0.016	0.38	0.029	0.74	0.255	6.48	22.0	39.0
C1645A	5	20	26/34	0.016	0.38	0.029	0.74	0.274	6.96	22.0	39.0
C1646A	6	20	26/34	0.016	0.38	0.029	0.74	0.290	7.37	20.0	36.0

*A – Capacitance between conductors

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

Data subject to change.

Product Construction:

Conductor:

- 20 AWG fully annealed stranded tinned copper per ASTM B33

Insulation:

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

Shield:

- 80% tinned copper braid
- Mylar wrap under braid

Jacket:

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

Applications:

- Electronic circuits where RF shielding is required
- Video interconnect
- Broadcast and studio
- Sound systems
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800 Type CM/CMH (UL: 75°C)
- AWM style 2092 (UL: 60°C, 300 V)
- AWM style 2093 (UL: 60°C, 300 V)
- AWM style 2094 (UL: 60°C, 300 V)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)

Packaging:

- Please contact Customer Service for packaging and color options

COLOR CODE CHART

NO. OF COND.	COLOR
1	Black
2	White
3	Red
4	Green
5	Yellow
6	Blue



Multi-Conductor, Braid Shield

UL 2095, NEC/CEC Type CMG UL/CSA**

Product Construction:

Conductor:

- 22 thru 16 AWG fully annealed stranded tinned copper per ASTM B33

Insulation:

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

Shield:

- 75% tinned copper braid

Jacket:

- PVC, gray
- Temperature range: -20°C to +105°C

Applications:

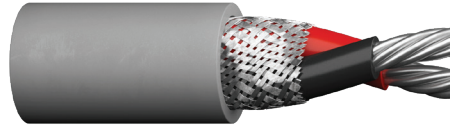
- Electronic circuits where RF shielding is required
- Radio transmitters
- Sound systems
- Recording studios
- Provides good flexibility
- Excellent shielding for noise reduction
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800 Type CM (UL: 105°C)
- UL Style 2095 (UL: 105°C, 300 V)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- CSA CMG (CSA: 105°C)
- Passes CSA CMG 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. CAP.* pF/ft	
				in	mm	in	mm	in	mm	A	B
C2679A	2	22	7/30	0.016	0.41	0.032	0.81	0.212	5.38	40.0	72.0
C2678A	3	22	7/30	0.016	0.41	0.032	0.81	0.221	5.61	37.0	67.0
C2680A	4	22	7/30	0.016	0.41	0.032	0.81	0.237	6.02	37.0	67.0
C2681A	2	20	7/28	0.016	0.41	0.032	0.81	0.230	5.84	44.0	80.0
C1332A	3	20	7/28	0.016	0.41	0.032	0.81	0.240	6.10	40.0	72.0
C2683A	4	20	7/28	0.016	0.41	0.032	0.81	0.259	6.58	40.0	73.0
C2686A	2	18	16/30	0.016	0.41	0.032	0.81	0.252	6.40	49.0	89.0
C2687A	3	18	16/30	0.016	0.41	0.032	0.81	0.264	6.71	45.0	80.5
C2688A	4	18	16/30	0.016	0.41	0.032	0.81	0.286	7.26	45.0	80.5
C2689A	2	16	19/29	0.020	0.51	0.032	0.81	0.280	7.11	51.0	91.0

*A – Capacitance between conductors

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

**CSA or c(UL)

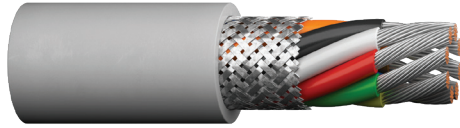
Data subject to change.

COLOR CODE CHART

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

Multi-Conductor, Foil/Braid Shield

UL 2094, NEC Type CL2



Product Construction:

Conductor:

- 20 AWG fully annealed stranded tinned copper per ASTM B33

Insulation:

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

Shield:

- 100% Flexfoil® aluminum/polyester, 25% overlap, foil facing out
- 80% tinned copper braid

Jacket:

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

Applications:

- Electronic circuits where RF shielding is required
- Video interconnect
- Broadcast and studio
- Sound systems
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 725 Type CL2 (UL: 75°C)
- UL Style 2094 (UL: 60°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
C1648A	8	20	26/34	0.016	0.38	0.029	0.74	0.316	8.03	20.0	36.0

*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	NO. OF COND.	COLOR
1	Black	5	Yellow
2	White	6	Blue
3	Red	7	Brown
4	Green	8	Orange



Multi-Conductor, Carolprene® , Braid Shield

Product Construction:

Conductor:

- 18 thru 14 AWG fully annealed stranded tinned copper per ASTM B33

Insulation:

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

Shield:

- 80% tinned copper braid

Jacket:

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

Applications:

- Control circuits
- Broadcast and studio applications
- Audio interconnects
- Suggested voltage rating: 300 volts

Features:

- Impact- and abrasion-resistant
- Stranded conductors for superior flexibility

Compliance:

- 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.	
				in	mm	in	mm	in	mm
C1202	2	18	41/34	0.020	0.51	0.035	0.89	0.295	7.49
C1203	3	18	41/34	0.020	0.51	0.035	0.89	0.305	7.75
C1206	6	18	41/34	0.020	0.51	0.035	0.89	0.370	9.39
C1602	2	16	65/34	0.025	0.64	0.035	0.89	0.335	8.51
C1603	3	16	65/34	0.025	0.64	0.035	0.89	0.355	9.02
C1604	4	16	65/34	0.025	0.64	0.035	0.89	0.385	9.78

Data subject to change.

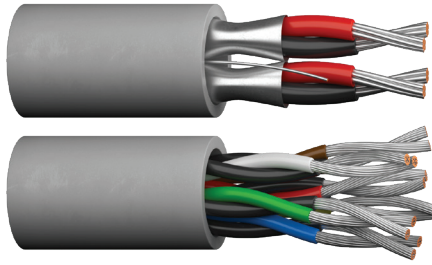
COLOR CODE CHART

NO. OF COND.	COLOR
1	Black
2	White
3	Red
4	Green
5	Blue
6	Brown

Notes:

Communication & Control Cable, Multi-Paired

2



In many electronic applications, two wires are required to complete circuits; these are often referred to as “balanced arrays” or “twisted pair” constructions.

Paired cable designs find frequent application in circuits requiring circuit-to-circuit isolation from noise, minimization of capacitance imbalances and a reduction of EMI interference currents.

Circuit separation is further enhanced in those designs employing individual circuit shields in concert with an overall shield. These shielding systems are available from Prysmian in myriad combinations to suit the unique needs of the circuit designer.

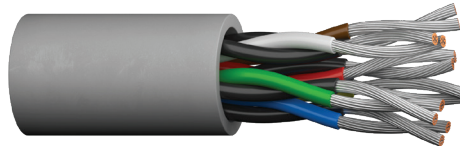
As with the multi-conductor designs, a wide array of insulating and jacketing materials are available to meet specific electronic applications.

Prysmian’s CAROL® Brand communication cable products are manufactured to meet the latest UL, CSA and NEC requirements and approvals.

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Multi-Paired, Unshielded

UL 2464, NEC/CEC Type CMG UL/CSA**



Product Construction:

Conductor:

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

Insulation:

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

Jacket:

- PVC, gray
- Temperature range: -20°C to +105°C

Applications:

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

Compliances:

- NEC Article 800 Type CM (UL: 105°C)
- UL Style 2464 (UL: 80°C, 300 V)
- CSA CMG (CSA: 105°C)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- 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.		NOM. C-C CAP.* pF/ft
				in	mm	in	mm	in	mm	
C4008A	1	22	Solid	0.010	0.25	0.032	0.81	0.156	3.94	24.5
C4010A	2	22	Solid	0.010	0.25	0.032	0.81	0.218	5.54	24.5
C4014A	3	22	Solid	0.010	0.25	0.032	0.81	0.229	5.82	24.5
C4015A	4	22	Solid	0.010	0.25	0.032	0.81	0.249	6.32	24.5
C4017A	6	22	Solid	0.010	0.30	0.032	0.81	0.288	7.44	24.5
C6010A	2	22	7/30	0.010	0.25	0.032	0.81	0.228	5.79	24.5
C6014A	3	22	7/30	0.010	0.25	0.032	0.81	0.240	6.10	24.5
C6015A	4	22	7/30	0.010	0.25	0.032	0.81	0.262	6.65	24.5
C6017A	6	22	7/30	0.010	0.25	0.032	0.81	0.300	7.62	24.5
C6019A	9	22	7/30	0.010	0.25	0.032	0.81	0.366	9.30	24.5
C6023A	12	22	7/30	0.010	0.25	0.032	0.81	0.410	10.40	24.5
C6026A	15	22	7/30	0.010	0.25	0.032	0.81	0.456	11.58	24.5

* Capacitance between conductors

**CSA or c(UL)

Data subject to change.

COLOR CODE CHART

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



Multi-Paired, Unshielded

UL 2464, NEC/CEC Type CMG UL/CSA**

Product Construction:

Conductor:

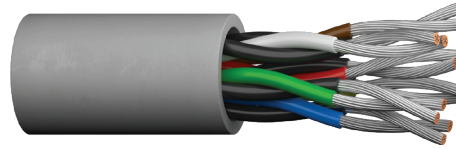
- 18 AWG fully annealed stranded tinned copper per ASTM B33
- Twisted pairs

Insulation:

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

Jacket:

- PVC, gray
- Temperature range: -20°C to +105°C



Applications:

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

Compliances:

- NEC Article 800 Type CM (UL: 105°C)
- UL Style 2464 (UL: 105°C, 300 V)
- CSA CMG (CSA: 105°C)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- 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.		NOM. C-C CAP.* pF/ft
				in	mm	in	mm	in	mm	
C6101A	1	18	16/30	0.013	0.33	0.032	0.81	0.206	5.23	26.3
C6118A	2	18	16/30	0.013	0.33	0.032	0.81	0.320	8.13	26.3
C6103A	3	18	16/30	0.013	0.33	0.032	0.81	0.338	8.59	26.3
C6119A	4	18	16/30	0.013	0.33	0.032	0.81	0.372	9.45	26.3
C6120A	5	18	16/30	0.013	0.33	0.032	0.81	0.408	10.36	26.3
C6106A	6	18	16/30	0.013	0.33	0.032	0.81	0.445	11.30	26.3
C6121A	8	18	16/30	0.013	0.33	0.032	0.81	0.484	12.29	26.3
C6109A	9	18	16/30	0.013	0.33	0.032	0.81	0.522	13.26	26.3
C6111A	15	18	16/30	0.013	0.33	0.032	0.81	0.659	16.74	26.3

*Capacitance between conductors

**CSA or c(UL)

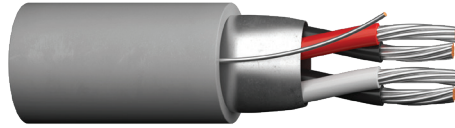
Data subject to change.

COLOR CODE CHART

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

Multi-Paired, Foil Shield

NEC/CEC Type CMG UL/CSA**



Product Construction:

Conductor:

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

Insulation:

- Premium-grade, color-coded 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 +105°C

Applications:

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

Compliances:

- NEC Article 800 Type CM (UL: 105°C, 300 V)
- CSA CMG (CSA: 105°C)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- 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.* pF/ft	
				in	mm	in	mm	in	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, 300 V)

**CSA or c(UL)

Data subject to change.

COLOR CODE CHART

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



Multi-Paired, Foil Shield

NEC Type CMP (UL) c(UL)

Product Construction:

Conductor:

- 22 and 24 AWG fully annealed stranded tinned copper per ASTM B33
- Twisted pairs

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
- Water-resistant
- Temperature range: -40°C to +150°C
- Sequential footage marked to facilitate installation
- Includes ripcord

Applications:

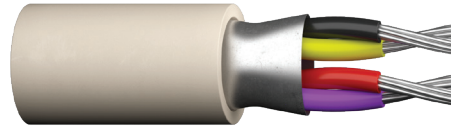
- EIA RS-232 circuits
- Remote control circuits
- Process control and instrumentation
- Power-limited control circuits
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800 (UL: 150°C, 300 V)
- Designed to meet NFPA 262 and CSA FT6 Steiner Tunnel Fire Tests for Plenum Applications

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	
				in	mm	in	mm	in	mm	A	B
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
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

Data subject to change.

COLOR CODE CHART

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



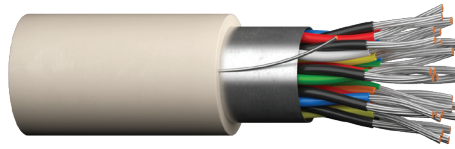
Designed to Meet
NFPA 262 and CSA FT6
Steiner Tunnel Fire Tests
for Plenum Applications

Underwriters Laboratories Inc.



Multi-Paired, Foil Shield

AWM Style 2464, CSA Type AWM I/II A/B, NEC/CEC Type CMG (CSA C/US)



Product Construction:

Conductor:

- 24 AWG fully annealed stranded tinned copper per ASTM B33
- Twisted pairs

Insulation:

- Premium-grade, color-coded 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 +105°C

Applications:

- Computers
- Industrial equipment
- Data transmission
- Control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 or 600 volts

Features:

- Excellent electrical properties
- Superior shielding effectiveness
- 25% shield overlap provides excellent shielding efficiency
- Assists system designers in meeting FCC Docket 20780 demands
- Good flexibility

Compliances:

- AWM Style 2464 (UL: 80°C, 300 V)
- CSA Type AWM (105°C, 600 V)
- CSA Certified CMG to harmonized standard UL 444 and CSA 22.2 No. 214
- NEC/CEC Type CMG (CSA: 105°C, 300 V)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA FT4 Vertical 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 DCR Ω/KFT		COLOR CODE	NOM. CAP.* pF/ft	
				in	mm	in	mm	in	mm	COND.	SHLD.		A	B
C4170A	1	24	7/32	0.011	0.28	0.032	0.81	0.160	4.06	26.0	18.0	1	36.4	65.5
C4209A	1	24	7/32	0.011	0.28	0.032	0.81	0.160	4.06	26.0	18.0	Wht/Blk	36.4	65.5
C4191A	1	24	7/32	0.011	0.28	0.030	0.76	0.160	4.06	26.0	16.5	Blk/Red	43.0	78.0
C4171A	2	24	7/32	0.011	0.28	0.032	0.81	0.214	5.44	26.0	18.0	1	31.9	57.3
C4172A	3	24	7/32	0.011	0.28	0.032	0.81	0.225	5.72	26.0	16.5	1	28.6	51.4
C4173A	4	24	7/32	0.011	0.28	0.032	0.81	0.245	6.22	26.0	16.5	1	28.6	51.4
C4174A	5	24	7/32	0.011	0.28	0.032	0.81	0.275	6.99	26.0	16.5	1	28.6	51.4
C4175A	6	24	7/32	0.011	0.28	0.032	0.81	0.300	7.62	26.0	15.2	1	26.3	47.5
C4176A	7	24	7/32	0.011	0.28	0.032	0.81	0.300	7.62	26.0	15.2	1	26.3	47.5
C4177A	8	24	7/32	0.011	0.28	0.032	0.81	0.320	8.13	26.0	15.0	1	26.3	47.5
C4178A	9	24	7/32	0.011	0.28	0.032	0.81	0.345	8.76	26.0	15.0	1	26.3	47.5
C4179A	10	24	7/32	0.011	0.28	0.032	0.81	0.375	9.53	26.0	14.0	1	26.3	47.5
C4180A	15	24	7/32	0.011	0.28	0.032	0.81	0.428	10.87	26.0	13.8	1	26.3	47.5
C4181A	19	24	7/32	0.011	0.28	0.032	0.81	0.450	11.43	26.0	13.5	1	26.3	47.5
C4182A	25	24	7/32	0.011	0.28	0.032	0.81	0.530	13.46	26.0	12.7	1	26.3	47.5

*A - Capacitance between conductors

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

COLOR CODE CHART 1

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

Multi-Paired, Foil Shield

AWM Style 2464, CSA Type AWM I/II A/B, NEC/CEC Type CMG (CSA C/US)

Product Construction:

Conductor:

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

Insulation:

- Premium-grade, color-coded 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 +105°C

Applications:

- Computers
- Industrial equipment
- Data transmission
- Control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage ratings: 300 or 600 volts

Features:

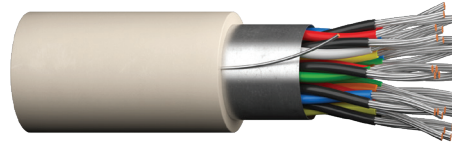
- Excellent electrical properties
- Superior shielding effectiveness
- 25% shield overlap provides excellent shielding efficiency
- Assists system designers in meeting FCC Docket 20780 demands
- Good flexibility

Compliances:

- AWM Style 2464 (UL: 80°C, 300 V)
- CSA Type AWM (105°C, 600 V)
- CSA Certified CMG to harmonized standard UL 444 and CSA 22.2 No. 214
- NEC/CEC Type CMG (CSA: 105°C, 300 V)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA FT4 Vertical Flame Test

Packaging:

- Please contact Customer Service for packaging and color options



CATALOG NUMBER	NO. OF PAIRS	AWG SIZE	COND. STRAND	NOMINAL INSULATION THICKNESS		NOMINAL JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR Ω/ft		NOMINAL CAP.* pF/ft	
				in	mm	in	mm	in	mm	COND.	SHLD.	A	B
C4183A	1	22	7/30	0.011	0.28	0.032	0.81	0.169	4.29	15.0	18.0	44.8	80.7
C4184A	2	22	7/30	0.011	0.28	0.032	0.81	0.234	5.94	15.0	16.5	35.9	64.6
C4185A	3	22	7/30	0.011	0.28	0.032	0.81	0.246	6.25	15.0	16.5	30.9	55.7
C4186A	4	22	7/30	0.011	0.28	0.032	0.81	0.269	6.83	15.0	16.5	30.9	55.7
C4187A	5	22	7/30	0.011	0.28	0.032	0.81	0.294	7.47	15.0	16.5	30.9	55.7
C4188A	6	22	7/30	0.011	0.28	0.032	0.81	0.320	8.13	15.0	16.5	28.4	51.0
C4189A	9	22	7/30	0.011	0.28	0.032	0.81	0.367	9.32	15.0	16.5	28.4	51.0
C4190A	15	22	7/30	0.011	0.28	0.032	0.81	0.457	11.61	15.0	16.5	28.4	51.0

*A - Capacitance between conductors

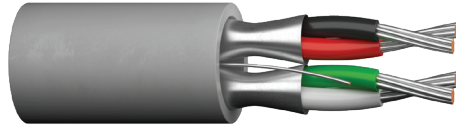
*B - Capacitance between one conductor and other conductors connected to shield
Data subject to change.

COLOR CODE CHART 1

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

Multi-Paired, Individually Shielded

UL 2717, UL 2835, NEC Type CM (UL) c(UL) CMH or CMG



Product Construction:

Conductor:

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

Insulation:

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

Shield:

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

Jacket:

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

Applications:

- Where total isolation of signal is required
- Computers
- Control circuits
- Industrial equipment
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800 Type CM (UL: 75°C, 300 V)
- UL Style 2717 (UL: 80°C)
- UL Style 2835 (UL: 60°C, 30 V)
- UL Style 2464 (UL: 80°C, 300 V)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA CMH or 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.*	
				in	mm	in	mm	in	mm	A	B

POLYPROPYLENE INSULATION — NEC TYPE CM(UL) C(UL) CMH

C1352A	2	22	7/30	0.007	0.18	0.020	0.51	0.160	4.06	30.0	45.0
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POLYPROPYLENE INSULATION — UL STYLE 2717, UL STYLE 2835, CM(UL) C(UL) CMH

C1353A**	2	22	7/30	0.010	0.25	0.028	0.71	0.208	5.028	25.0	53.5
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105°C PVC INSULATION — UL STYLE 2464, CM(UL) C(UL) CMG

C7106A	2	20	7/28	0.010	0.25	0.041	1.04	0.305	7.75	46.0	82.0
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*A – Capacitance between conductors

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

**Individually shielded with overall shield

Data subject to change.

COLOR CODE CHART

NO. OF PAIRS	COLOR
1	Black/Red
2	Green/White



Multi-Paired, Individually Shielded

CSA Type AWM I/II A/B, NEC/CEC Type CMG (CSA C/US)

Product Construction:

Conductor:

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

Insulation:

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

Shield:

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

Jacket:

- PVC, gray
- Temperature range: -20°C to +105°C

Applications:

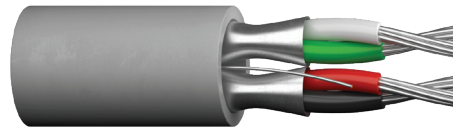
- Where total isolation of signal is required
- Computers
- Control circuits
- Industrial equipment
- Suggested voltage rating: 300 or 600 volts

Compliances:

- CSA Type AWM (105°C, 600 V)
- CSA Certified CMG to harmonized standard UL 444 and CSA (22.2 No. 2)
- NEC/CEC Type CMG (CSA: 105°C, 300 V)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA FT4 Vertical Flame Test

Packaging:

- Please contact Customer Service for packaging and color options



CATALOG NUMBER	NO. OF PAIRS	AWG SIZE	COND. STRAND	NOMINAL INSULATION THICKNESS		NOMINAL JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR Ω/kft		NOMINAL CAP.* pF/ft	
				in	mm	in	mm	in	mm	COND.	SHLD.	A	B
C4203A	2	22	7/30	0.011	0.28	0.020	0.51	0.175	4.45	16.6	7.2	67.0	121.0

*A – Capacitance between conductors

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

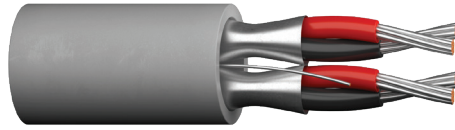
Data subject to change.

COLOR CODE CHART

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

Power-Limited Tray Cable, Individually Shielded

UL 2464, NEC Type PLTC and NEC/CEC Type CMG UL/CSA†



Product Construction:

Conductor:

- 22 or 18 AWG fully annealed stranded tinned copper per ASTM B33
- Twisted pairs

Insulation:

- Premium-grade, color-coded PVC
- Color code: Each pair black and red, numbered at one-inch intervals

Shield:

- Pairs are 100% individually shielded with Flexfoil® aluminum/polyester, foil facing in
- Stranded tinned copper drain wire each pair

Jacket:

- PVC, gray
- Sunlight-resistant
- Temperature range: -20°C to +105°C

Applications:

- Power-limited circuits
- Intercom systems
- Business machines
- Cash registers
- Computer interconnects
- Suitably marked for appropriate tray cable installations
- Burglar alarms
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 725 Power-Limited Tray Cable (UL: 105°C, 300 V)
- UL Style 2464 (UL: 80°C)
- CSA CMG (CSA: 105°C)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- 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.* pF/ft	
				in	mm	in	mm	in	mm	A	B
C0570A	2	22	7/30	0.016	0.41	0.042	1.07	0.327	8.31	38.5	69.5
C0571A	3	22	7/30	0.016	0.41	0.042	1.07	0.345	8.76	38.5	69.5
C0572A	4	22	7/30	0.016	0.41	0.042	1.07	0.378	9.60	38.5	69.5
C0573A	6	22	7/30	0.016	0.41	0.053	1.35	0.469	11.91	38.5	69.5
C0574A	9	22	7/30	0.016	0.41	0.053	1.35	0.542	13.77	38.5	69.5
C0575A	11	22	7/30	0.016	0.41	0.053	1.35	0.589	14.96	38.5	69.5
C0584A	2	18	16/30	0.016	0.41	0.042	1.07	0.380	9.65	50.5	91.0
C0585A	3	18	16/30	0.016	0.41	0.053	1.35	0.437	11.10	50.5	91.0
C0586A	4	18	16/30	0.016	0.41	0.053	1.35	0.478	12.14	50.5	91.0
C0587A	6	18	16/30	0.016	0.41	0.053	1.35	0.566	14.38	50.5	91.0
C0588A	9	18	16/30	0.016	0.41	0.063	1.60	0.679	17.25	50.5	91.0
C0589A	11	18	16/30	0.016	0.41	0.063	1.60	0.738	18.75	50.5	91.0
C0590A	15	18	16/30	0.016	0.41	0.063	1.60	0.845	21.46	50.5	91.0

*A – Capacitance between conductors

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

†CSA or c(UL)

Data subject to change.

COLOR CODE CHART

NO. OF PAIRS	COLOR
1 thru 15	Black/Red

Each pair marked and numbered



Power-Limited Tray Cable, Foil Shield

UL 2464, NEC Type PLTC, NEC/CEC Type CM, CMG UL/CSA†

Product Construction:

Conductor:

- 22 or 18 AWG fully annealed stranded tinned copper per ASTM B33
- Twisted pairs

Insulation:

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

Shield:

- 100% Flexfoil® aluminum/polyester, 25% overlap, foil facing out
- Stranded tinned copper drain wire
- 65% tinned copper braid (C7112A, C7114A and C7116A only)

Jacket:

- PVC, gray or black
- Sunlight-resistant
- Temperature range: -20°C to +60°C or +105°C

Applications:

- Power-limited circuits
- Intercom systems
- Business machines
- Computer interconnects
- Suitably marked for appropriate tray cable installations
- Petrochemical control systems
- Burglar alarms
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 725 Power-Limited Tray Cable (UL: 105°C or 60°C, 300 V)
- NEC Article 800 Communications Cable (UL: 105°C or 60°C, 300 V)
- †UL Style 2464 (UL: 80°C, 300 V)
- UL PLTC Listing
- CSA CMG (CSA: 60°C) or CM c(UL)
- RS-485 (TIA/EIA-485) compatible
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA CMG Flame Test

Packaging:

- Please contact Customer Service for packaging and color options
- † UL Style 2464 only available on PVC insulation constructions



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

PVC INSULATION — UL STYLE 2464, NEC TYPE PLTC/CM, CSA CMG, 105°C

C0550A	2	22	7/0096	0.015	0.38	0.042	1.07	0.294	7.47	32.0	57.0
C0551A	3	22	7/0096	0.015	0.38	0.042	1.07	0.309	7.85	29.0	52.2
C0552A	4	22	7/0096	0.015	0.38	0.042	1.07	0.337	8.56	29.0	52.2
C0553A	6	22	7/0096	0.015	0.38	0.042	1.35	0.418	10.62	26.5	47.7
C0554A	9	22	7/0096	0.015	0.38	0.042	1.35	0.480	12.19	26.5	47.7
C0555A	11	22	7/30	0.015	0.38	0.053	1.35	0.520	13.21	27.0	48.5
C0556A	15	22	7/30	0.015	0.38	0.053	1.35	0.592	15.04	27.0	48.5
C0560A	2	18	16/30	0.016	0.41	0.042	1.07	0.314	7.98	40.0	72.0
C0561A	3	18	16/30	0.016	0.41	0.042	1.07	0.403	10.24	33.5	60.3
C0562A	4	18	16/30	0.016	0.41	0.042	1.07	0.440	11.18	33.5	60.3
C0563A	6	18	16/30	0.016	0.41	0.053	1.35	0.519	13.18	30.5	54.9
C0564A	9	18	16/30	0.016	0.41	0.063	1.60	0.643	16.33	30.5	54.9
C0566A	15	18	16/30	0.016	0.41	0.063	1.60	0.720	18.29	30.5	54.9

*A – Capacitance between conductors

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

†CSA or c(UL)

Data subject to change.

COLOR CODE CHART

NO. OF PAIRS	COLOR
1 thru 15	Black/Red

Each pair marked and numbered



LO-CAP® DATACOM COLOR CODE WITH 65% TINNED COPPER BRAID

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

FOAMED POLYETHYLENE INSULATION — NEC TYPE PLTC/CM, CEC CM c(UL), 60°C

C7112A	1	22	7/0096	0.024	0.61	0.037	0.94	0.261	6.63	11.5	20.5
C7114A	2	22	7/0096	0.017	0.43	0.042	1.07	0.343	8.71	11.0	19.6
C7116A	3	22	7/0096	0.015	0.38	0.042	1.07	0.344	8.74	11.0	19.6

*A – Capacitance between conductors

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

Data subject to change.

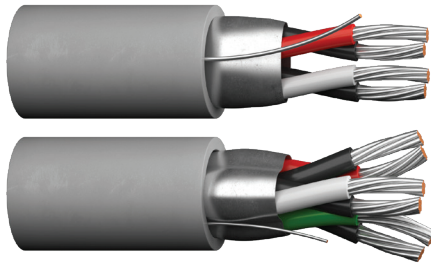
COLOR CODE CHART

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



Computer Cable

3



Prysmian manufactures a comprehensive line of computer cables.

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

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

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

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Multi-Conductor, Foil Shield

UL 2464, NEC/CEC Type CMR, CMG UL/CSA

Product Construction:

Conductor:

- 24 AWG fully annealed stranded tinned copper per ASTM B33

Insulation:

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

Shield:

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

Jacket:

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

Applications:

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

Compliances:

- NEC Article 800 Type CMR (UL: 90°C)
- UL Style 2464 (UL: 90°C, 300 V)
- CSA CMG (CSA: 90°C)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA CMG Flame Test

Packaging:

- Please contact Customer Service for packaging and color options
- Data subject to change.



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOMINAL INSULATION THICKNESS		NOMINAL JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR Ω/kft @20° C		NOMINAL CAP.* pF/ft	
				in	mm	in	mm	in	mm	COND.	SHLD.	A	B
C0740A	2	24	7/32	0.010	0.25	0.032	0.81	0.157	3.99	26.0	7.2	36.0	64.0
C0741A	3	24	7/32	0.010	0.25	0.032	0.81	0.164	4.17	26.0	7.2	33.0	59.0
C0742A	4	24	7/32	0.010	0.25	0.032	0.81	0.175	4.45	26.0	7.2	33.0	59.0
C0753A	5	24	7/32	0.010	0.25	0.032	0.81	0.188	4.78	26.0	7.2	33.0	59.0
C0743A	6	24	7/32	0.010	0.25	0.032	0.81	0.201	5.11	26.0	7.2	30.0	55.0
C0754A	7	24	7/32	0.010	0.25	0.032	0.81	0.201	5.11	26.0	7.2	30.0	55.0
C0744A	8	24	7/32	0.010	0.25	0.032	0.81	0.215	5.46	26.0	7.2	30.0	55.0
C0755A	9	24	7/32	0.010	0.25	0.032	0.81	0.228	5.79	26.0	7.2	30.0	55.0
C0745A	10	24	7/32	0.010	0.25	0.032	0.81	0.245	6.22	26.0	7.2	30.0	55.0

*A - Capacitance between conductors

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

COLOR CODE CHART 1

For cables up to and including 10 conductors

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

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOMINAL INSULATION THICKNESS		NOMINAL JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR Ω/kft @20° C		NOMINAL CAP.* pF/ft	
				in	mm	in	mm	in	mm	COND.	SHLD.	A	B
C0746A	15	24	7/32	0.010	0.25	0.032	0.81	0.276	7.01	26.0	7.2	30.0	55.0
C0747A	20	24	7/32	0.010	0.25	0.032	0.81	0.303	7.70	26.0	7.2	30.0	55.0
C0748A	25	24	7/32	0.010	0.25	0.032	0.81	0.333	8.46	26.0	7.2	30.0	55.0
C0749A	30	24	7/32	0.010	0.25	0.032	0.81	0.351	8.92	26.0	7.2	30.0	55.0
C0750A	40	24	7/32	0.010	0.25	0.032	0.81	0.391	9.93	26.0	7.2	30.0	55.0
C0751A	50	24	7/32	0.010	0.25	0.032	0.81	0.439	11.15	26.0	7.2	30.0	55.0

*A - Capacitance between conductors

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

COLOR CODE CHART 2 PER ICEA

For cables of 15 thru 50 conductors

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



Multi-Conductor, Foil Shield

UL 2464, NEC/CEC Type CM or CMR, CMG UL/CSA



Product Construction:

Conductor:

- 22 or 20 AWG fully annealed stranded tinned copper per ASTM B33

Insulation:

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

Shield:

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

Jacket:

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

Applications:

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

Compliances:

- NEC Article 800 Type CM - 20 AWG (UL: 90°C)
- NEC Article 800 Type CMR - 20 AWG (UL: 90°C)
- UL Style 2464 (UL: 80°C, 300 V)
- CSA CMG (CSA: 90°C)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA CMG Flame Test

Packaging:

- Please contact Customer Service for packaging and color options

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOMINAL INSULATION THICKNESS		NOMINAL JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR Ω /kft @20°C		NOMINAL CAP.* pF/ft	
				in	mm	in	mm	in	mm	COND.	SHLD.	A	B

PVC – CMR (UL) c(UL)

C0760A	2	22	7/30	0.010	0.25	0.032	0.81	0.169	4.29	16.5	6.3	36.0	65.0
C0761A	3	22	7/30	0.010	0.25	0.032	0.81	0.177	4.50	16.5	6.3	36.0	65.0
C0762A	4	22	7/30	0.010	0.25	0.032	0.81	0.190	4.83	16.5	6.3	36.0	65.0
C0763A	6	22	7/30	0.010	0.25	0.032	0.81	0.219	5.56	16.5	6.3	34.0	61.0
C0764A	8	22	7/30	0.010	0.25	0.032	0.81	0.235	5.97	16.5	6.3	34.0	61.0
C0765A	10	22	7/30	0.010	0.25	0.032	0.81	0.269	6.83	16.5	6.3	34.0	61.0
C0766A	15	22	7/30	0.010	0.25	0.032	0.81	0.304	7.72	16.5	6.3	34.0	61.0
C0767A	20	22	7/30	0.010	0.25	0.032	0.81	0.335	8.51	16.5	6.3	34.0	61.0
C0768A	25	22	7/30	0.010	0.25	0.032	0.81	0.369	9.37	16.5	6.3	34.0	61.0

PVC – CM (UL) c(UL)

C0780A	2	20	7/28	0.016	0.41	0.032	0.81	0.207	5.26	11.0	6.3	39.0	70.0
C0781A	3	20	7/28	0.016	0.41	0.032	0.81	0.217	5.51	11.0	6.3	39.0	70.0
C0782A	4	20	7/28	0.016	0.41	0.032	0.81	0.236	5.99	11.0	6.3	39.0	70.0
C0783A	6	20	7/28	0.016	0.41	0.032	0.81	0.276	7.01	11.0	6.3	37.0	66.0
C0784A	8	20	7/28	0.016	0.41	0.032	0.81	0.297	7.54	11.0	6.3	37.0	66.0
C0785A	10	20	7/28	0.016	0.41	0.032	0.81	0.345	8.76	11.0	6.3	37.0	66.0
C0786A	15	20	7/28	0.016	0.41	0.032	0.81	0.393	9.98	11.0	6.3	37.0	66.0
C0787A	20	20	7/28	0.016	0.41	0.032	0.81	0.435	11.05	11.0	6.3	37.0	66.0
C0788A	25	20	7/28	0.016	0.41	0.032	0.81	0.483	12.27	11.0	6.3	40.0	72.0

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



Multi-Conductor, Foil/Braid Shield

UL 2464, NEC Type CL2 or NEC/CEC Type CM, CMG UL/CSA

Product Construction:

Conductor:

- 28 and 24 AWG fully annealed stranded tinned copper per ASTM B33

Insulation:

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

Shield:

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

Jacket:

- PVC, gray
- Temperature range: -20°C to +105°C

Applications:

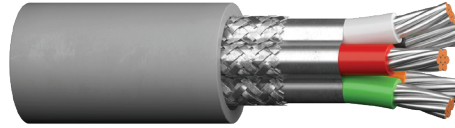
- Computers
- Industrial equipment
- Data transmission
- Control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800 Type CM - 24 AWG (UL: 105°C)
- UL Style 2464 (UL: 80°C, 300 V)
- CSA CMG (CSA: 105°C)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA CMG Flame Test

Packaging:

- Please contact Customer Service for packaging and color options



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOMINAL INSULATION THICKNESS		NOMINAL JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR Ω/kft @20°C		NOMINAL CAP.** pF/ft	
				in	mm	in	mm	in	mm	COND.	SHLD.	A	B

CM, CMG, UL 2464

C0951A	3	24	7/32	0.010	0.25	0.032	0.81	0.186	4.72	25.7	5.3	33.0	59.0
C0952A	4	24	7/32	0.010	0.25	0.032	0.81	0.197	5.00	25.7	5.5	33.0	59.0
C0953A	5	24	7/32	0.010	0.25	0.032	0.81	0.210	5.33	25.7	4.4	33.0	59.0
C0954A	6	24	7/32	0.010	0.25	0.032	0.81	0.223	5.66	25.7	4.6	30.0	55.0
C0955A	7	24	7/32	0.010	0.25	0.032	0.81	0.223	5.66	25.7	4.6	30.0	55.0
C0956A	8	24	7/32	0.010	0.25	0.032	0.81	0.237	6.02	25.7	3.8	30.0	55.0
C0957A	9	24	7/32	0.010	0.25	0.032	0.81	0.250	6.35	25.7	3.9	30.0	55.0
C0958A	10	24	7/32	0.010	0.25	0.032	0.81	0.267	6.78	25.7	4.2	30.0	55.0
C0959A	15	24	7/32	0.010	0.25	0.032	0.81	0.298	7.57	25.7	3.6	30.0	55.0
C0960A	20	24	7/32	0.010	0.25	0.032	0.81	0.325	8.26	25.7	4.5	30.0	55.0
C0961A	25	24	7/32	0.010	0.25	0.032	0.81	0.355	9.02	25.7	3.5	30.0	55.0

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

**A – Capacitance between conductors

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

COLOR CODE CHART 1

For cables up to and including 10 conductors

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

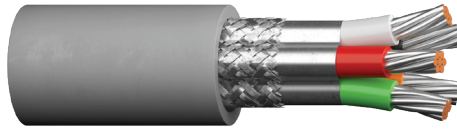
COLOR CODE CHART 2 Per ICEA

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



Multi-Conductor, Foil/Braid Shield

UL 2464, NEC/CEC Type CMR, CMG UL/CSA



Product Construction:

Conductor:

- 22 AWG fully annealed stranded tinned copper per ASTM B33

Insulation:

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

Shield:

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

Jacket:

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

Applications:

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

Compliances:

- NEC Article 800 Type CMR (UL: 90°C)
- UL Style 2464 (UL: 80°C, 300 V)
- CSA CMG (CSA: 90°C)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA CMG Flame Test

Packaging:

- Please contact Customer Service for packaging and color options

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOMINAL INSULATION THICKNESS		NOMINAL JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR Ω /kft @20 °C		NOMINAL CAP.* pF/ft	
				in	mm	in	mm	in	mm	COND.	SHLD.	A	B
C0971A	3	22	7/30	0.010	0.25	0.032	0.81	0.199	5.05	16.6	5.6	36.0	66.0
C0972A	4	22	7/30	0.010	0.25	0.032	0.81	0.212	5.38	16.6	4.4	36.0	66.0
C0973A	5	22	7/30	0.010	0.25	0.032	0.81	0.226	5.74	16.6	4.7	36.0	66.0
C0974A	6	22	7/30	0.010	0.25	0.032	0.81	0.241	6.12	16.6	3.8	34.0	60.0
C0975A	7	22	7/30	0.010	0.25	0.032	0.81	0.241	6.12	16.6	6.2	34.0	60.0
C0976A	8	22	7/30	0.010	0.25	0.032	0.81	0.257	6.53	16.6	4.0	34.0	60.0
C0977A	9	22	7/30	0.010	0.25	0.032	0.81	0.272	6.91	16.6	3.4	34.0	60.0
C0978A	10	22	7/30	0.010	0.25	0.032	0.81	0.291	7.39	16.6	3.6	34.0	60.0
C0979A	15	22	7/30	0.010	0.25	0.032	0.81	0.326	8.28	16.6	3.6	34.0	60.0
C0980A	20	22	7/30	0.010	0.25	0.032	0.81	0.357	9.07	16.6	3.9	34.0	60.0
C0981A	25	22	7/30	0.010	0.25	0.032	0.81	0.391	9.93	16.6	2.7	34.0	60.0

*A – Capacitance between conductors

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

COLOR CODE CHART Per ICEA

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



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

UL 2919, NEC Type CL2 or NEC/CEC Type CM, CEC Type CMH UL/CSA

Product Construction:

Conductor:

- 24 AWG fully annealed stranded tinned copper per ASTM B33

Insulation:

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

Shield:

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

Jacket:

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

Applications:

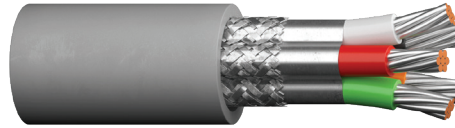
- High speed computers
- Industrial equipment
- Control circuits
- Designed for low capacitance applications
- Suitable for EIA RS-232 and RS-423 CAD/CAM applications
- Suggested voltage rating: 30 volts

Compliances:

- NEC Article 800 Type CM (UL: 75°C, 300 V)
- UL Style 2919 (UL: 80°C, 30 V)
- CSA CMH (CSA: 60°C)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA CMH Flame Test

Packaging:

- Please contact Customer Service for packaging and color options



CATALOG NUMBER	NO. OF COND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR Ω/kft		NOMINAL CAP.* pF/ft	
		in	mm	in	mm	in	mm	COND.	SHLD.	A	B
24 AWG (7/32): CM (UL) c(UL) CMH, AWM Style 2919											
C0680A	3	0.016	0.41	0.032	0.81	0.211	5.36	25.7	3.8	11.9	21.5
C0681A	4	0.016	0.41	0.032	0.81	0.227	5.77	25.7	3.8	11.9	21.5
C0682A	5	0.016	0.41	0.032	0.81	0.242	6.15	25.7	3.8	11.9	21.5
C0683A	6	0.016	0.41	0.032	0.81	0.259	6.58	25.7	3.2	11.2	20.2
C0684A	7	0.016	0.41	0.032	0.81	0.259	6.58	25.7	3.2	11.2	20.2
C0685A	8	0.016	0.41	0.032	0.81	0.276	7.01	25.7	3.2	11.2	20.2
C0686A	9	0.016	0.41	0.032	0.81	0.293	7.44	25.7	3.6	11.2	20.2
C0687A	10	0.016	0.41	0.032	0.81	0.315	8.00	25.7	3.6	11.2	20.2
C0688A	15	0.016	0.41	0.032	0.81	0.354	8.99	25.7	3.6	11.2	20.2

*A – Capacitance between conductors
 *B – Capacitance between one conductor and other conductors connected to shield
 Vp = 78%
 Impedance: ≈100 Ω
 Data subject to change.

COLOR CODE CHART 1

For cables up to and including 10 conductors

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

COLOR CODE CHART 2 PER ICEA

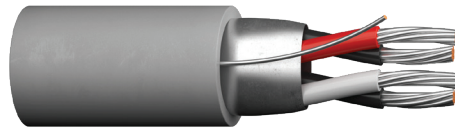
For cables up to 15 conductors

NO. OF COND.	COLOR	NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	6	Light Blue	11	Light Blue/Black
2	White	7	White/Black	12	Black/White
3	Red	8	Red/Black	13	Red/White
4	Light Green	9	Light Green/Black	14	Light Green/White
5	Orange	10	Orange/Black	15	Light Blue/White



Multi-Paired, Foil Shield

UL 2464, NEC/CEC Type CMR, CMG UL/CSA



Product Construction:

Conductor:

- 24 AWG fully annealed stranded tinned copper per ASTM B33
- Twisted pairs

Insulation:

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

Shield:

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

Jacket:

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

Applications:

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

Compliances:

- NEC Article 800 Type CMR (UL: 90°C)
- UL Style 2464 (UL: 80°C, 300 V)
- CSA CMG (CSA, 90C)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA CMG Flame Test

Packaging:

- Please contact Customer Service for packaging and color options
- Data subject to change.

CATALOG NUMBER	NO. OF PAIRS	AWG SIZE	COND. STRAND	NOMINAL INSULATION THICKNESS		NOMINAL JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR Ω/kft		NOMINAL CAP* pF/ft	
				in	mm	in	mm	in	mm	COND.	SHLD.	A	B
C0600A	1	24	7/32	0.010	0.25	0.032	0.81	0.157	3.99	25.7	7.2	19.7	21.5
C0601A	2	24	7/32	0.010	0.25	0.032	0.81	0.214	5.44	25.7	7.2	28.7	21.5
C0602A	3	24	7/32	0.010	0.25	0.032	0.81	0.225	5.72	25.7	7.2	25.7	21.5
C0603A	4	24	7/32	0.010	0.25	0.032	0.81	0.245	6.23	25.7	7.2	25.7	20.2
C0604A	5	24	7/32	0.010	0.25	0.032	0.81	0.265	6.73	25.7	7.2	25.7	20.2
C0605A	6	24	7/32	0.010	0.25	0.032	0.81	0.287	7.29	25.7	7.2	23.7	42.7
C0606A	7	24	7/32	0.010	0.25	0.032	0.81	0.287	7.29	25.7	7.2	23.7	42.7
C0607A	8	24	7/32	0.010	0.25	0.032	0.81	0.309	7.85	25.7	7.2	23.7	42.7
C0608A	9	24	7/32	0.010	0.25	0.032	0.81	0.331	8.41	25.7	7.2	23.7	42.7
C0609A	10	24	7/32	0.010	0.25	0.032	0.81	0.359	9.12	25.7	7.2	23.7	42.7
C0610A	15	24	7/32	0.010	0.25	0.032	0.81	0.410	10.41	25.7	7.2	23.7	42.7
C0611A	19	24	7/32	0.010	0.25	0.032	0.81	0.432	10.97	25.7	7.2	23.7	42.7
C0612A	25	24	7/32	0.010	0.25	0.032	0.81	0.505	12.84	25.7	7.2	23.7	42.7
C0720A	1	22	7/30	0.010	0.25	0.032	0.81	0.169	4.29	16.6	6.2	40.4	72.6
C0721A	2	22	7/30	0.010	0.25	0.032	0.81	0.234	5.94	16.6	6.2	32.3	58.1
C0722A	3	22	7/30	0.010	0.25	0.032	0.81	0.246	6.25	16.6	6.2	27.8	50.1
C0723A	4	22	7/30	0.010	0.25	0.032	0.81	0.269	6.83	16.6	6.2	27.8	50.1
C0724A	5	22	7/30	0.010	0.25	0.032	0.81	0.292	7.42	16.6	6.2	27.8	50.1
C0725A	6	22	7/30	0.010	0.25	0.032	0.81	0.317	8.05	16.6	6.2	25.5	45.9
C0726A	9	22	7/30	0.010	0.25	0.032	0.81	0.367	9.32	16.6	6.2	25.5	45.9
C0728A	15	22	7/30	0.010	0.25	0.032	0.81	0.457	11.62	16.6	6.2	25.5	45.9
C0729A	19	22	7/30	0.010	0.25	0.032	0.81	0.482	12.24	16.6	6.2	25.5	45.9
C0730A	27	22	7/30	0.010	0.25	0.032	0.81	0.576	14.36	16.6	6.2	26.0	46.0

*A - Capacitance between conductors

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

COLOR CODE CHART

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



Multi-Paired, Foil Shield, Lo-Cap®

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

Product Construction:

Conductor:

- 24 AWG fully annealed stranded tinned copper per ASTM B33
- Twisted pairs

Insulation:

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

Shield:

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

Jacket:

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

Applications:

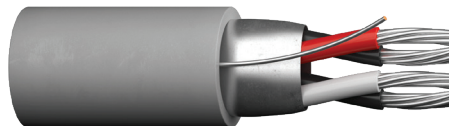
- Computers
- Industrial equipment
- Data transmission
- Control circuits
- Suitable for low capacitance applications
- Suggested voltage rating: 30 volts

Compliances:

- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2448 (UL: 60°C, 30 V)
- CSA CMH (CSA: 60°C)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA CMH 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 DCR Ω/kft		VEL. OF PROP. %	NOM. IMP. Ω	NOMINAL CAP.* pF/ft	
				in	mm	in	mm	in	mm	COND.	SHLD.			A	B
C0890A	2	24	7/32	0.015	0.38	0.032	0.81	0.247	6.27	25.7	7.20	66	100	14.4	26.0
C0901A	3	24	7/32	0.015	0.38	0.032	0.81	0.261	6.63	25.7	7.20	66	100	13.9	25.1
C0893A	4	24	7/32	0.015	0.38	0.032	0.81	0.277	7.04	25.7	7.20	66	100	13.9	25.1
C0894A	5	24	7/32	0.015	0.38	0.032	0.81	0.310	7.87	25.7	7.20	66	100	13.9	25.1
C0899A	6	24	7/32	0.015	0.38	0.032	0.81	0.336	8.53	25.7	7.20	66	100	13.0	23.4
C0896A	9	24	7/32	0.015	0.38	0.032	0.81	0.391	9.93	25.7	7.20	66	100	13.0	23.4
C0897A	12.5	24	7/32	0.015	0.38	0.032	0.97	0.459	11.66	25.7	7.20	66	100	13.0	23.4

*A – Capacitance between conductors

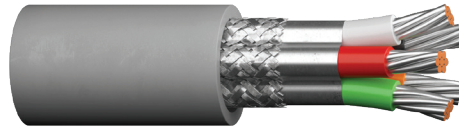
*B – Capacitance between one conductor and other conductors connected to shield
Data subject to change.

COLOR CODE CHART

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

Multi-Paired, Foil/Braid Shield

UL 2464, NEC/CEC Type CMR, CMG UL/CSA



Product Construction:

Conductor:

- 22 and 24 AWG fully annealed stranded tinned copper per ASTM B33
- Twisted pairs

Insulation:

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

Shield:

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

Jacket:

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

Applications:

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

Compliances:

- NEC Article 800 Type CMR (UL: 90°C)
- UL Style 2464 (UL: 80°C, 300 V)
- CSA CMG (CSA: 90°C)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA CMG Flame Test

Packaging:

- Please contact Customer Service for packaging and color options
- Data subject to change.

CATALOG NUMBER	NO. OF PAIRS	AWG SIZE	COND. STRAND	NOMINAL INSULATION THICKNESS		NOMINAL JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR Ω/kft		NOMINAL CAP.* pF/ft	
				in	mm	in	mm	in	mm	COND.	SHLD.	A	B
C0620A	2	24	7/32	0.010	0.25	0.032	0.81	0.235	5.97	25.7	5.4	29.5	53.0
C0621A	3	24	7/32	0.010	0.25	0.032	0.81	0.231	5.87	25.7	5.0	26.4	47.6
C0622A	4	24	7/32	0.010	0.25	0.032	0.81	0.253	6.43	25.7	4.5	26.4	47.6
C0623A	5	24	7/32	0.010	0.25	0.032	0.81	0.278	7.06	25.7	4.6	26.4	47.6
C0624A	6	24	7/32	0.010	0.25	0.032	0.81	0.296	7.52	25.7	2.9	24.4	43.9
C0625A	7	24	7/32	0.010	0.25	0.032	0.81	0.313	7.95	25.7	3.1	24.4	43.9
C0626A	8	24	7/32	0.010	0.25	0.032	0.81	0.336	8.53	25.7	4.1	24.4	43.9
C0628A	10	24	7/32	0.010	0.25	0.032	0.81	0.357	9.07	25.7	2.6	24.4	43.9
C0630A	12.5	24	7/32	0.010	0.25	0.032	0.81	0.386	9.80	25.7	3.6	24.4	43.9
C0650A	2	22	7/30	0.010	0.25	0.032	0.81	0.229	5.82	16.6	3.8	33.2	59.7
C0651A	3	22	7/30	0.010	0.25	0.032	0.81	0.296	7.52	16.6	4.1	28.6	51.5
C0652A	4	22	7/30	0.010	0.25	0.032	0.81	0.320	8.13	16.6	3.5	28.6	51.5
C0653A	5	22	7/30	0.010	0.25	0.032	0.81	0.331	8.41	16.6	3.9	28.6	51.5
C0654A	6	22	7/30	0.010	0.25	0.032	0.81	0.348	8.84	16.6	4.4	26.2	47.2
C0655A	7	22	7/30	0.010	0.25	0.032	0.81	0.348	8.84	16.6	5.0	26.2	47.2
C0656A	8	22	7/30	0.010	0.25	0.032	0.81	0.368	9.35	16.6	3.8	26.2	47.2
C0658A	10	22	7/30	0.010	0.25	0.032	0.81	0.388	9.86	16.6	4.1	26.2	47.2
C0660A	12.5	22	7/30	0.010	0.25	0.032	0.81	0.429	10.90	16.6	4.7	26.2	47.2
C0663A	25	22	7/30	0.010	0.25	0.058	0.81	0.620	15.75	16.6	2.1	26.2	46.0

*A – Capacitance between conductors

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

COLOR CODE CHART

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



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

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

Product Construction:

Conductor:

- 24 AWG fully annealed stranded tinned copper per ASTM B33
- Twisted pairs

Insulation:

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

Shield:

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

Jacket:

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

Applications:

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

Compliances:

- NEC Article 800 Type CM/CMH (UL: 75°C, 300 V)
- UL Style 2919 (UL: 80°C, 30 V)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA CMH 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 DCR Ω/kft		VEL. OF PROP. %	NOM. IMP. Ω	NOMINAL CAP.* pF/ft	
				in	mm	in	mm	in	mm	COND.	SHLD.			A	B
C0841A	1	24	7/32	0.024	0.61	0.032	0.81	0.235	5.97	25.7	2.9	66	120	14.6	26.2
C0842A	2	24	7/32	0.024	0.61	0.032	0.81	0.304	7.72	25.7	2.3	66	120	11.7	21.0
C0843A	3	24	7/32	0.024	0.61	0.032	0.81	0.360	9.14	25.7	2.3	66	120	11.9	21.4
C0844A	4	24	7/32	0.024	0.61	0.032	0.81	0.390	9.91	25.7	2.1	66	120	11.9	21.4

*A – Capacitance between conductors

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

COLOR CODE CHART 1

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

CATALOG NUMBER	NO. OF PAIRS	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR Ω/kft		VEL. OF PROP. %	NOM. IMP. Ω	NOMINAL CAP.* pF/ft	
				in	mm	in	mm	in	mm	COND.	SHLD.			A	B
C4841A	1	24	7/32	0.024	0.61	0.032	0.81	0.235	5.97	25.7	2.9	66	120	14.6	26.2
C4842A	2	24	7/32	0.024	0.61	0.032	0.81	0.304	7.72	25.7	2.3	66	120	11.7	21.0
C4843A	3	24	7/32	0.024	0.61	0.032	0.81	0.360	9.14	25.7	2.3	66	120	11.9	21.4
C4844A	4	24	7/32	0.024	0.61	0.032	0.81	0.390	9.91	25.7	2.1	66	120	11.9	21.4

*A – Capacitance between conductors

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

COLOR CODE CHART 2

NO. OF PAIRS	COLOR	NO. OF PAIRS	COLOR
1	White-Blue Stripe Blue-White Stripe	1	White-Green Stripe Green-White Stripe
2	White-Orange Stripe Orange-White Stripe	2	White-Brown Stripe Brown-White Stripe

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

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

Product Construction:

Conductor:

- 24 AWG fully annealed stranded tinned copper per ASTM B33
- Twisted pairs

Insulation:

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

Shield:

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

Jacket:

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

Applications:

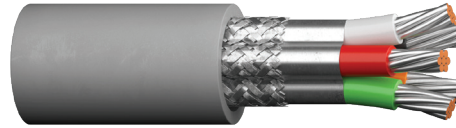
- High-speed computer interconnects
- CAD/CAM systems
- EIA RS-232 and RS-423 systems
- Control circuits
- Industrial equipment
- Low signal distortion data requirements
- Suitable for EIA RS-485 120Ω applications

Compliances:

- NEC Article 800 Type CM/CMH (UL: 75°C, 300 V)
- UL Style 2919 (UL: 80°C, 30 V)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)

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 DCR Ω/kft		VEL. OF PROP., %	NOM. IMP., Ω	NOMINAL CAP.* pF/ft	
				in	mm	in	mm	in	mm	COND.	SHLD.			A	B
C0515A	2	24	7/32	0.016	0.41	0.032	0.81	0.276	7.01	25.7	3.0	78	132	10.2	18.4
C0516A	3	24	7/32	0.016	0.41	0.032	0.81	0.290	7.37	25.7	3.2	78	132	9.9	17.8
C0517A	4	24	7/32	0.016	0.41	0.032	0.81	0.315	8.00	25.7	3.3	78	132	9.9	17.8
C0518A	5	24	7/32	0.016	0.41	0.032	0.81	0.340	8.64	25.7	4.2	78	132	9.9	17.8
C0519A	6	24	7/32	0.016	0.41	0.032	0.81	0.368	9.35	25.7	3.6	78	141	9.2	16.6
C0520A	7	24	7/32	0.016	0.41	0.032	0.81	0.370	9.40	25.7	3.5	78	141	9.2	16.6
C0521A	8	24	7/32	0.016	0.41	0.032	0.81	0.397	10.08	25.7	2.7	78	141	9.2	16.6
C0522A	10	24	7/32	0.016	0.41	0.038	0.97	0.473	12.01	25.7	2.4	78	141	9.2	16.6
C0523A	12.5	24	7/32	0.016	0.41	0.038	0.97	0.486	12.34	25.7	2.4	78	141	9.2	16.6
C0524A	15	24	7/32	0.016	0.41	0.048	1.22	0.555	14.10	25.7	2.6	78	141	9.2	16.6
C0525A	18	24	7/32	0.016	0.41	0.048	1.22	0.585	14.86	25.7	2.1	78	141	9.2	16.6
C0526A	25	24	7/32	0.016	0.41	0.048	1.22	0.677	17.20	25.7	2.0	78	141	9.2	16.6

*A – Capacitance between conductors

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

COLOR CODE CHART

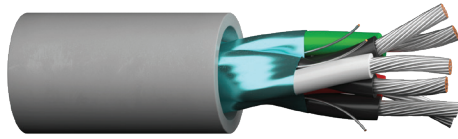
NO. OF PAIRS	COLOR	NO. OF PAIRS	COLOR	NO. OF PAIRS	COLOR
1	White-Blue Stripe Blue-White Stripe	10	Red-Gray Stripe Gray-Red Stripe	19	Yellow-Brown Stripe Brown-Yellow Stripe
2	White-Orange Stripe Orange-White Stripe	11	Black-Blue Stripe Blue-Black Stripe	20	Yellow-Gray Stripe Gray-Yellow Stripe
3	White-Green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

Single Conductor: Green With Yellow Stripe



Multi-Paired, Individually Foil Shielded

UL 2919, NEC Type CM, CSA CMH



Product Construction:

Conductor:

- 24 thru 18 AWG fully annealed stranded tinned copper per ASTM B33
- Twisted pairs

Insulation:

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

Shield:

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

Jacket:

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

Applications:

- Applications for total isolation of signal
- Computers
- Control circuits
- Industrial equipment

Compliances:

- NEC Article 800 Type CM (UL: 75°C, 300 V)
- UL Style 2919 (UL: 80°C, 30 V)
- CSA CMH (CSA: 60°C)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Passes CSA CMH 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 DCR Ω/kft		VEL. OF PROP, %	NOM. IMP, Ω	NOMINAL CAP** pF/ft	
				in	mm	in	mm	in	mm	COND.	SHLD.			A	B
C6065A	3	24	7/32	0.011	0.28	0.032	0.81	0.269	6.83	26.0	18.0	66	71	21.7	39.0
C6066A	6	24	7/32	0.011	0.28	0.032	0.81	0.349	8.86	26.0	18.0	66	71	21.7	39.0
C6067A	9	24	7/32	0.011	0.28	0.032	0.81	0.406	10.31	26.0	18.0	66	71	21.7	39.0
C6040A	3	22	7/30	0.011	0.28	0.032	0.81	0.292	7.42	16.5	11.3	66	63	24.4	43.9
C6041A	6	22	7/30	0.011	0.28	0.032	0.81	0.381	9.68	16.5	11.3	66	63	24.4	43.9
C6042A	9	22	7/30	0.011	0.28	0.032	0.81	0.445	11.30	16.5	11.3	66	63	24.4	43.9
C6043A	11	22	7/30	0.011	0.28	0.032	0.81	0.486	12.34	16.5	11.3	66	63	24.4	43.9
C6059A	12	22	7/30	0.011	0.28	0.048	1.22	0.533	13.54	16.5	11.3	66	63	24.4	43.9
C6044A	15	22	7/30	0.011	0.28	0.048	1.22	0.591	15.01	16.5	11.3	66	63	24.4	43.9
C6060A	17	22	7/30	0.011	0.28	0.048	1.22	0.622	15.80	16.5	11.3	66	63	24.4	43.9
C6045A	19	22	7/30	0.011	0.28	0.048	1.22	0.622	15.80	16.5	11.3	66	63	24.4	43.9
C6046A*	27	22	7/30	0.011	0.28	0.048	1.22	0.696	17.68	16.5	11.3	66	63	24.4	43.9
C6052A	3	20	7/28	0.013	0.33	0.032	0.81	0.339	8.61	10.5	10.2	66	61	25.3	45.6
C6053A	6	20	7/28	0.013	0.33	0.032	0.81	0.446	11.33	10.5	10.2	66	61	25.3	45.6
C6054A	9	20	7/28	0.013	0.33	0.048	1.22	0.555	14.10	10.5	10.2	66	61	25.3	45.6
C6056A	12	20	7/28	0.013	0.33	0.048	1.22	0.623	15.82	10.5	10.2	66	61	25.3	45.6
C6058A	15	20	7/28	0.013	0.33	0.048	1.22	0.692	17.58	10.5	10.2	66	61	25.3	45.6
C6047A	3	18	16/30	0.016	0.41	0.032	0.81	0.395	10.03	7.2	8.3	66	60	25.7	46.2
C6048A	6	18	16/30	0.016	0.41	0.048	1.22	0.556	14.12	7.2	8.3	66	60	25.7	46.2
C6049A	9	18	16/30	0.016	0.41	0.048	1.22	0.649	16.48	7.2	8.3	66	60	25.7	46.2
C6050A	12	18	16/30	0.016	0.41	0.048	1.22	0.731	18.57	7.2	8.3	66	60	25.7	46.2
C6051A	15	18	16/30	0.016	0.41	0.048	1.22	0.776	19.71	7.2	8.3	66	60	25.7	46.2

*UL 2919, CSA CMH Only

**A – Capacitance between conductors

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

Data subject to change.

COLOR CODE CHART

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



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

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

Product Construction:

Conductor:

- 24 AWG fully annealed stranded tinned copper per ASTM B33
- Twisted pairs

Insulation:

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

Shield:

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

Jacket:

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

Applications:

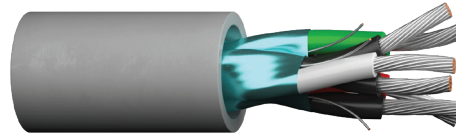
- High-speed computers
- Industrial equipment
- Control circuits
- Suitable for low capacitance applications
- Suitable for EIA RS-422 CAD/CAM applications
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800 Type CM/CMH (UL: 75°C, 300 V)
- UL Style 2493 (UL: 60°C)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)

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 DCR Ω/ft		VEL. OF PROP., %	NOM. IMP., Ω	NOMINAL CAP.* pF/ft	
				in	mm	in	mm	in	mm	COND.	SHLD.			A	B
C0910A	2	24	7/32	0.022	0.56	0.047	1.19	0.283	7.19	26.0	18.0	78	100	14.8	26.7
C0911A	3	24	7/32	0.022	0.56	0.048	1.22	0.381	9.68	26.0	18.0	78	100	14.8	26.7
C0912A	4	24	7/32	0.022	0.56	0.048	1.22	0.416	10.57	26.0	18.0	78	100	14.8	26.7
C0913A	6	24	7/32	0.022	0.56	0.048	1.22	0.492	12.50	26.0	18.0	78	100	14.8	26.7
C0914A	9	24	7/32	0.022	0.56	0.063	1.60	0.601	15.27	26.0	18.0	78	100	14.8	26.7
C0915A	11	24	7/32	0.022	0.56	0.063	1.60	0.652	16.56	26.0	18.0	78	100	14.8	26.7
C0916A	12	24	7/32	0.022	0.56	0.063	1.60	0.672	17.08	26.0	18.0	78	100	14.8	26.7
C0917A	15	24	7/32	0.022	0.56	0.063	1.60	0.743	18.87	26.0	18.0	78	100	14.8	26.7

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



Notes

Fire Alarm Cables



Fire alarm systems have expanded from a rather simple and unsophisticated business configured upon large, electro-mechanical devices to one relying upon the most modern technologies of microprocessor and chip technology.

More and more end users— industrial, commercial as well as consumer—are relying upon these emerging systems to protect both property and life. These systems are only as good as their weakest component, whether that component be a processor or interconnecting wire and cable.

It is Prysmian’s charter that all products supplied for use in these and any other systems shall be constructed of only the finest available materials, and provide the service and assurance that the end user not only needs, but requires.

Aside from the quality materials used in these designs, specifiers and end users of CAROL® Brand wire and cable products have come to expect that these cables are registered and certified with the leading regulatory agencies such as Underwriters Laboratories ... and we haven’t let you down!

These designs have proven themselves in the area of fire system security over time; all are fabricated with solid, bare copper conductors and insulations and jackets of premium-grade PVC. Offered both with and without shields, the former to protect these critical circuits from noise, these cables will provide the latest in available technology for the system installer and contractor.

Prysmian CAROL Brand products are conveniently packaged in 1000' or 500' lengths to assist the installer.

Section	Page
Multi-Conductor, Unshielded, Non-Plenum	51
Multi-Conductor, Shielded, Non-Plenum	52
Multi-Conductor, Unshielded, Plenum	53-54
Multi-Conductor, Shielded, Plenum	55-56

Multi-Conductor, Unshielded, Non-Plenum

NEC Type FPLR and CL3R, NEC/CEC Type CMR

Product Construction:

Conductor:

- 22 thru 12 AWG fully annealed solid bare copper per ASTM B3
- Stranded bare copper fire alarm: See page 61

Insulation:

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

Jacket:

- Premium-grade PVC, red
- Suitable for use from -20°C to +90°C
- Round constructions have sequential footage markings to facilitate installation
- Includes ripcord on round constructions

Applications:

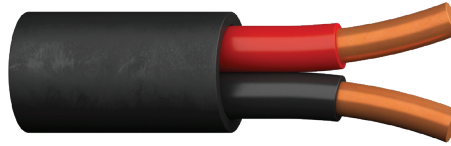
- Wiring of fire alarms
- Smoke detectors
- Voice communications
- Burglar alarms
- Fire protective circuits
- Suggested voltage rating: 300 volts

Compliances:

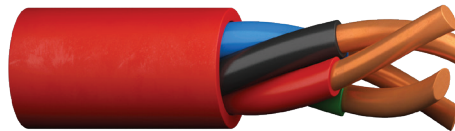
- NEC Article 760 Type FPLR (UL: 90°C, 300 V)
- NEC Article 725 Type CL3R (UL: 90°C, 300 V)
- NEC Article 800 Type CMR (UL: 90°C, 300 V)
- Suitable for use in the State of California
- RoHS Compliant Directive 2015/863/EU (RoHS3)

Packaging:

- Please contact Customer Service for packaging and color options



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOMINAL O.D.	
				in	mm	in	mm
E2402S	2	18	Solid	0.032	0.81	0.105 x 0.210	2.67 x 5.33
E2404S	2	16	Solid	0.032	0.81	0.115 x 0.230	2.92 x 5.84
E2406S	2	14	Solid	0.032	0.81	0.126 x 0.260	3.20 x 6.60



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET WALL		NOMINAL O.D.	
				in	mm	in	mm	in	mm
E1482S	2	22	Solid	0.010	0.25	0.015	0.38	0.121	3.07
E1484S	4	22	Solid	0.010	0.25	0.015	0.38	0.140	3.56
E1486S	6	22	Solid	0.010	0.25	0.015	0.38	0.168	4.27
E1502S	2	18	Solid	0.010	0.25	0.015	0.38	0.150	3.81
E1503S	3	18	Solid	0.010	0.25	0.015	0.38	0.160	4.06
E1504S	4	18	Solid	0.010	0.25	0.015	0.38	0.175	4.45
E1505S	5	18	Solid	0.010	0.25	0.015	0.38	0.193	4.90
E1506S	6	18	Solid	0.010	0.25	0.015	0.38	0.210	5.33
E1508S	8	18	Solid	0.010	0.25	0.015	0.38	0.230	5.84
E1512S	2	16	Solid	0.010	0.25	0.015	0.38	0.172	4.37
E1514S	4	16	Solid	0.010	0.25	0.015	0.38	0.202	5.13
E1522S*	2	14	Solid	0.013	0.33	0.015	0.38	0.210	5.33
E1524S*	4	14	Solid	0.013	0.33	0.015	0.38	0.248	6.30
E1532S*	2	12	Solid	0.013	0.33	0.015	0.38	0.244	6.20
E1534S*	4	12	Solid	0.013	0.33	0.015	0.38	0.288	7.32

* NEC FPLR/CL3R only.
Data subject to change.

COLOR CODE CHART

NO. OF COND.	COLOR
1	Black
2	Red
3	Brown
4	Blue
5	Orange
6	Yellow
7	Purple
8	Gray

Multi-Conductor, Shielded, Non-Plenum

NEC Type FPLR and CL3R, NEC/CEC Type CMR

Product Construction:

Conductor:

- 22 thru 12 AWG fully annealed solid bare copper per ASTM B3
- Stranded bare copper fire alarm: See page 62

Insulation:

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

Shield:

- Overall Flexfoil® polyester supported aluminum foil
- Stranded tinned copper drain wire

Jacket:

- Premium-grade PVC, red
- Temperature range: -20°C to +90°C
- Sequential footage markings to facilitate installation
- Includes ripcord

Applications:

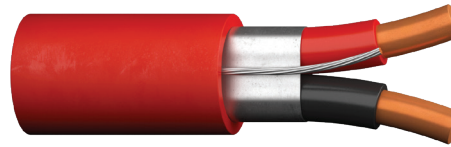
- Wiring of fire alarms
- Smoke alarms
- Voice communications
- Burglar alarms
- Fire protective circuits
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 760 Type FPLR (UL: 90°C, 300 V)
- NEC Article 725 Type CL3R (UL: 90°C, 300 V)
- NEC Article 800 Type CMR (UL: 90°C, 300 V)
- Suitable for use in the State of California
- 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 WALL		NOMINAL O.D.	
				in	mm	in	mm	in	mm
E2482S	2	22	Solid	0.010	0.25	0.015	0.38	0.126	3.20
E2484S	4	22	Solid	0.010	0.25	0.015	0.38	0.145	3.68
E2502S	2	18	Solid	0.010	0.25	0.015	0.38	0.158	4.01
E2503S	3	18	Solid	0.010	0.25	0.015	0.38	0.165	4.19
E2504S	4	18	Solid	0.010	0.25	0.015	0.38	0.183	4.65
E2506S	6	18	Solid	0.010	0.25	0.015	0.38	0.216	5.49
E2508S	8	18	Solid	0.010	0.25	0.015	0.38	0.235	5.97
E2522S	2	16	Solid	0.010	0.25	0.015	0.38	0.180	4.57
E2524S	4	16	Solid	0.010	0.25	0.015	0.38	0.210	5.33
E2532S*	2	14	Solid	0.013	0.33	0.015	0.38	0.218	5.54
E2534S*	4	14	Solid	0.013	0.33	0.015	0.38	0.253	6.43
E2542S*	2	12	Solid	0.013	0.33	0.015	0.38	0.252	6.40
E2544S*	4	12	Solid	0.013	0.33	0.015	0.38	0.293	7.44

* NEC FPLR/CL3R only.
Data subject to change.

COLOR CODE CHART

NO. OF COND.	COLOR
1	Black
2	Red
3	Brown
4	Blue
5	Orange
6	Yellow
7	Purple
8	Gray



Multi-Conductor, Unshielded, Plenum

NEC Type FPLP and CL3P, NEC/CEC Type CMP

Product Construction:

Conductor:

- 22 thru 12 AWG fully annealed solid bare copper per ASTM B3

Insulation:

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

Jacket:

- Premium-grade Flexguard® PVC, red
- Temperature range: 0°C to +75°C
- Sequential footage markings to facilitate installation
- Includes ripcord

Applications:

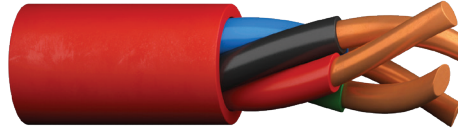
- Wiring of fire alarms
- Smoke detectors
- Voice communications
- Burglar alarms
- Fire protective circuits
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 760 Type FPLP (UL: 75°C, 300 V)
- NEC Article 725 Type CL3P (UL: 75°C, 300 V)
- NEC Article 800 Type CMP (UL: 75°C, 300 V)
- Suitable for use in the State of California
- 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 WALL		NOMINAL O.D.	
				in	mm	in	mm	in	mm
E3482S	2	22	Solid	0.010	0.25	0.015	0.38	0.121	3.07
E3484S	4	22	Solid	0.010	0.25	0.015	0.38	0.137	3.47
E3502S	2	18	Solid	0.010	0.25	0.015	0.38	0.155	3.81
E3503S	3	18	Solid	0.010	0.25	0.015	0.38	0.160	4.06
E3504S	4	18	Solid	0.010	0.25	0.015	0.38	0.175	4.45
E3506S	6	18	Solid	0.010	0.25	0.015	0.38	0.211	5.36
E3512S	2	16	Solid	0.010	0.25	0.015	0.38	0.172	4.37
E3514S	4	16	Solid	0.010	0.25	0.015	0.38	0.202	5.13
E3522S*	2	14	Solid	0.012	0.30	0.015	0.38	0.205	5.21
E3524S*	4	14	Solid	0.012	0.30	0.015	0.38	0.243	6.17
E3532S*	2	12	Solid	0.012	0.30	0.015	0.38	0.244	6.20
E3534S*	4	12	Solid	0.012	0.30	0.015	0.38	0.284	7.21

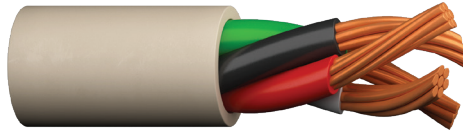
* NEC FPLP/CL3P only.
Data subject to change.

COLOR CODE CHART

NO. OF COND.	COLOR
1	Black
2	Red
3	Brown
4	Blue
5	Orange
6	Yellow

Multi-Conductor, Unshielded, Plenum

NEC/CEC Type CMP and/or NEC Type CL3P and FPLP



Product Construction:

Conductor:

- Stranded or solid bare copper per ASTM B3, B8 and B286

Insulation:

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

Jacket:

- Premium-grade Flexguard® PVC, natural
- Sequential footage markings to facilitate installation
- Temperature range: -20°C to +75°C

Applications:

- Power-limited control circuits
- Wiring of the following systems:
 - Intercom
 - Security
 - Audio
 - Background music
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 725 Type CL3P (UL: 75°C, 150 V)
- NEC Article 800 Type CMP (UL: 75°C, 300 V)
- NEC Article 760 Type FPLP (UL: 75°C, 300 V)
- Suitable for use in the State of California

Packaging:

- Please contact Customer Service for packaging and color options

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET WALL		NOMINAL O.D.	
				in	mm	in	mm	in	mm
E3000S	2	22	Solid	0.007	0.18	0.015	0.38	0.108	2.74
E3001S	4	22	Solid	0.007	0.18	0.015	0.38	0.124	3.15
E3002S	2	22	7/30	0.008	0.20	0.015	0.38	0.120	3.05
E3003S	3	22	7/30	0.008	0.20	0.015	0.38	0.127	3.23
E3004S	4	22	7/30	0.008	0.20	0.015	0.38	0.139	3.53
E3006S	6	22	7/30	0.008	0.20	0.015	0.38	0.164	4.17
E3008S	8	22	7/30	0.008	0.20	0.015	0.38	0.178	4.52
E3010S	10	22	7/30	0.008	0.20	0.015	0.38	0.194	4.92
E3012S	12	22	7/30	0.008	0.20	0.015	0.38	0.211	5.36
E3022S	2	20	7/28	0.009	0.23	0.015	0.20	0.134	3.40
E3023S	3	20	7/28	0.009	0.23	0.015	0.20	0.142	3.61
E3024S	4	20	7/28	0.009	0.23	0.015	0.20	0.156	3.96
E3030S	2	18	Solid	0.008	0.20	0.015	0.38	0.142	3.61
E3032S	2	18	7/26	0.008	0.20	0.015	0.38	0.156	3.96
E3033S	3	18	7/26	0.008	0.20	0.015	0.38	0.166	4.22
E3034S	4	18	7/26	0.008	0.20	0.015	0.38	0.187	4.75
E3036S	6	18	7/26	0.008	0.20	0.015	0.38	0.216	5.49
E3038S	8	18	7/26	0.008	0.20	0.015	0.38	0.235	5.97
E3042S	2	16	19/0117	0.008	0.20	0.015	0.38	0.174	4.42
E3043S	3	16	19/0117	0.008	0.20	0.015	0.38	0.185	4.70
E3044S	4	16	19/0117	0.009	0.23	0.008	0.20	0.205	5.21
E3052S*	2	14	19/0147	0.011	0.28	0.015	0.38	0.216	5.49
E3054S*	4	14	19/0147	0.011	0.28	0.015	0.38	0.255	6.48
E3062S*	2	12	19/0185	0.011	0.28	0.015	0.38	0.252	6.40
E3064S*	4	12	19/0185	0.011	0.28	0.015	0.38	0.298	7.57

* NEC CL3P/FPLP only
Data subject to change.

COLOR CODE CHART

NO. OF COND.	COLOR	NO. OF COND.	COLOR	NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	4	Green	7	Orange	10	Gray
2	Red	5	Brown	8	Yellow	11	Pink
3	White	6	Blue	9	Purple	12	Tan



Multi-Conductor, Shielded, Plenum

NEC/CEC Type CMP and/or NEC Type CL3P and FPLP

Product Construction:

Conductor:

- Stranded or solid bare copper per ASTM B3, B8 and B286

Insulation:

- Premium-grade, color-coded Flexguard® PVC

Shield:

- Overall Flexfoil® polyester supported aluminum foil
- Stranded tinned copper drain wire

Jacket:

- Premium-grade Flexguard® PVC, natural
- Sequential footage markings to facilitate installation
- Temperature range: -20°C to +75°C

Applications:

- Power-limited control circuits
- Wiring of the following systems:
 - Intercom
 - Security
 - Audio
 - Background music
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 725 Type CL3P (UL: 75°C, 150 V)
- NEC Article 800 Type CMP (UL: 75°C, 300 V)
- NEC Article 760 Type FPLP (UL: 75°C, 300 V)
- Suitable for use in the State of California

Packaging:

- Please contact Customer Service for packaging and color options



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET WALL		NOMINAL O.D.	
				in	mm	in	mm	in	mm
E2100S	2	22	Solid	0.007	0.18	0.015	0.38	0.116	2.95
E2102S	2	22	7/30	0.008	0.20	0.015	0.38	0.128	3.25
E2103S	3	22	7/30	0.008	0.20	0.015	0.38	0.131	3.33
E2104S	4	22	7/30	0.008	0.20	0.015	0.38	0.147	3.73
E2106S	6	22	7/30	0.008	0.20	0.015	0.38	0.176	4.47
E2108S	8	22	7/30	0.008	0.20	0.015	0.38	0.184	4.67
E2110S	10	22	7/30	0.008	0.20	0.015	0.38	0.215	5.46
E2112S	12	22	7/30	0.008	0.20	0.015	0.38	0.222	5.64
E2122S	2	20	7/28	0.009	0.23	0.015	0.20	0.139	3.53
E2123S	3	20	7/28	0.009	0.23	0.015	0.20	0.147	3.73
E2124S	4	20	7/28	0.009	0.23	0.015	0.20	0.161	4.09
E2200S	2	18	Solid	0.008	0.20	0.015	0.38	0.148	3.76
E2202S	2	18	7/26	0.008	0.20	0.015	0.38	0.164	4.17
E2203S	3	18	7/26	0.008	0.20	0.015	0.38	0.169	4.29
E2204S	4	18	7/26	0.008	0.20	0.015	0.38	0.185	4.70
E2206S	6	18	7/26	0.010	0.25	0.008	0.20	0.218	5.54
E2208S	8	18	7/26	0.010	0.25	0.008	0.20	0.237	6.02
E2242S	2	16	19/.0117	0.008	0.20	0.015	0.38	0.179	4.55
E2243S	3	16	19/.0117	0.008	0.20	0.015	0.38	0.190	4.83
E2244S	4	16	19/.0117	0.008	0.20	0.015	0.38	0.209	5.31
E2252S*	2	14	19/.0147	0.008	0.20	0.011	0.28	0.235	5.97
E2254S*	4	14	19/.0147	0.008	0.20	0.011	0.28	0.260	6.60
E2262S*	2	12	19/.0185	0.008	0.20	0.011	0.28	0.257	6.53
E2264S*	4	12	19/.0185	0.008	0.20	0.011	0.28	0.303	7.70

* NEC CL3P/FPLP only
Data subject to change.

COLOR CODE CHART

NO. OF COND.	COLOR	NO. OF COND.	COLOR	NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	4	Green	7	Orange	10	Gray
2	Red	5	Brown	8	Yellow	11	Pink
3	White	6	Blue	9	Purple	12	Tan

Multi-Conductor, Shielded, Plenum

NEC Type FPLP



Product Construction:

Conductor:

- 22 thru 12 AWG fully annealed solid bare copper per ASTM B3

Insulation:

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

Shield:

- Overall Flexfoil® polyester supported aluminum foil
- Stranded tinned copper drain wire

Jacket:

- Premium-grade Flexguard® PVC, red
- Suitable for use from 0°C to +75°C
- Sequential footage markings to facilitate installation
- Includes ripcord

Applications:

- Wiring of fire alarms
- Smoke detectors
- Voice communications
- Burglar alarms
- Fire protective circuits
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 760 Type FPLP (UL: 75°C, 300 V)
- NEC Article 725 Type CL3P (UL: 75°C, 300 V)
- NEC Article 800 Type CMP (UL: 75°C, 300 V)
- Suitable for use in the State of California
- Designed to meet NFPA 262 and CSA FT6 Steiner Tunnel Fire Tests for Plenum Applications

Packaging:

- Please contact Customer Service for packaging and color options

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET WALL		NOMINAL O.D.	
				in	mm	in	mm	in	mm
E3542S	2	22	Solid	0.010	0.25	0.015	0.38	0.126	3.20
E3602S	2	18	Solid	0.010	0.25	0.015	0.38	0.158	4.01
E3603S	3	18	Solid	0.010	0.25	0.015	0.38	0.165	4.19
E3604S	4	18	Solid	0.010	0.25	0.015	0.38	0.183	4.65
E3606S	6	18	Solid	0.010	0.25	0.015	0.38	0.216	5.49
E3612S	2	16	Solid	0.010	0.25	0.015	0.38	0.180	4.57
E3614S	4	16	Solid	0.010	0.25	0.015	0.38	0.210	5.33
E3622S	2	14	Solid	0.012	0.30	0.015	0.38	0.210	5.33
E3624S	4	14	Solid	0.012	0.30	0.015	0.38	0.248	6.30
E3632S	2	12	Solid	0.012	0.30	0.015	0.38	0.252	6.40
E3634S	4	12	Solid	0.012	0.30	0.015	0.38	0.300	7.62

Data subject to change.

COLOR CODE CHART

NO. OF COND.	COLOR
1	Black
2	Red
3	Brown
4	Blue
5	Orange
6	Yellow



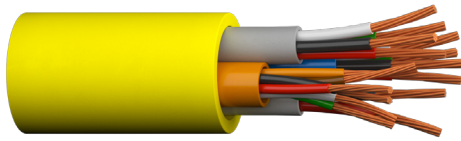
Designed to Meet
NFPA 262 and CSA FT6
Steiner Tunnel Fire Tests
for Plenum Applications

Underwriters Laboratories Inc.



Sound, Alarm & Security Cable

5



The sound and security industry in the United States has grown from a simple and unsophisticated business, begun some 45 years ago, to one which has developed technology to the degree that specialized wires and cables are now much in demand.

No longer are the security and sound industries characterized by large electromechanical relays and large contactors; today these circuits incorporate the latest in microprocessors and solid state devices to not only improve functionality but also to guarantee performance.

As a major wire producer, our role is to ensure that the wires and cables that go into these systems are as reliable as the other components...the net result is a fully integrated system which will provide peace of mind to the system user.

Also in this section are Prysmian's CAROL® Brand wire and cable designs suitable for a variety of applications, both in industrial and commercial environments, including telephone systems, intercoms, burglar alarms, business machines and thermostats.

Aside from the quality materials used in these designs, specifiers and users of CAROL Brand wire and cable products have come to expect that these cables are registered and certified with the leading regulatory agencies such as Underwriters Laboratories... and we haven't let you down!

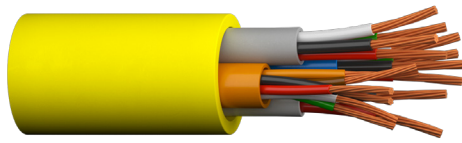
CAROL Brand designs have proven themselves in the area of sound and security over time; most are fabricated with solid or stranded, bare copper conductors with insulations and jackets of premium grades of PVC. We offer both parallel and cabled designs both with and without shields. Sequential footage markings on the jackets are offered on all products.

Prysmian's CAROL Brand products are conveniently packaged in 1000' or 500' lengths to assist the installer.

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Composite Access Control Cable, Plenum

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



Product Construction:

Conductor:

- Stranded bare copper

Jacket:

- Flexguard® PVC
- Temperature range: 0°C to +60°C
- Individual elements marked for application (see diagram below)
- Yellow overall jacket

Shields:

- Choice between all 4 elements shielded or just the 3-pair element shielded

Applications:

- Security systems
- Access control
- Card reader
- Door control
- REX
- Power-limited controls

Compliances:

- NEC Article 800 Type CMP (UL), c(UL)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)

Packaging:

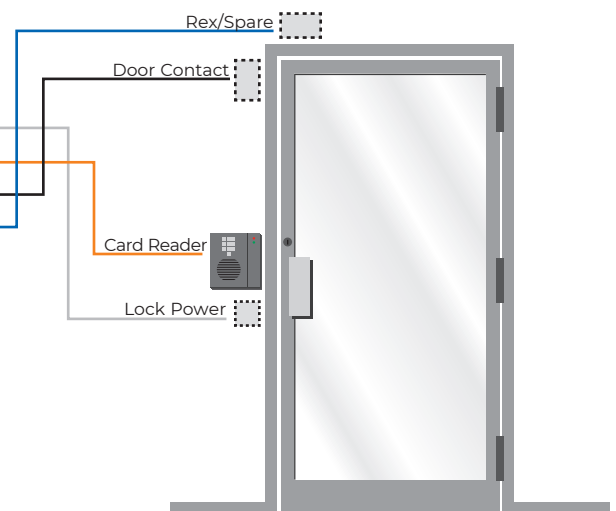
- 500' and 1000' reels

CATALOG NUMBER	OVERALL NOMINAL O.D. INCH (MM)	COMPONENT NO.	COMPONENT DESCRIPTIONS	CONDUCTORS COLOR CODE	COMPONENT NOMINAL O.D. INCH (MM)	INSULATION THICKNESS INCH (MM)
4EPL4S	0.430	1	4 Cond, 18 AWG, Shielded	White, Black, Red, Green	0.180 (4.572)	0.008 (0.2032)
		2	3 Pair, 22 AWG, Shielded	White & Green, Orange & Brown, Red & Black	0.195 (4.593)	0.008 (0.2032)
		3	2 Cond, 22 AWG, Shielded	Red, Black	0.125 (3.175)	0.008 (0.2032)
		4	4 Cond, 22 AWG, Shielded	White, Black, Red, Green	0.145 (3.683)	0.008 (0.2032)
4EPLIS	0.420	1	4 Cond, 18 AWG, Unshielded	White, Black, Red, Green	0.180 (4.572)	0.008 (0.2032)
		2	3 Pair, 22 AWG, Shielded	White & Green, Orange & Brown, Red & Black	0.195 (4.593)	0.008 (0.2032)
		3	2 Cond, 22 AWG, Unshielded	Red, Black	0.125 (3.175)	0.008 (0.2032)
		4	4 Cond, 22 AWG, Unshielded	White, Black, Red, Green	0.145 (3.683)	0.008 (0.2032)

Data subject to change.

JACKET COLOR CODING & COMPONENT APPLICATION

Jacket Color	Component	Cable Type	Application
Gray	1	4 Conductor, 18 AWG	Lock Power
Orange	2	3 Pair, 22 AWG	Card Reader
White	3	2 Conductor, 22 AWG	Door Contact
Blue	4	4 Conductor, 22 AWG	Rex/Spare



Composite Access Control Cable, Riser

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

Product Construction:

Conductor:

- Stranded bare copper

Jacket:

- PVC
- Temperature range: -20°C to +60°C
- Individual elements marked for application (see diagram below)
- Blue overall jacket

Shields:

- Choice between all 4 elements shielded or just the 3-pair shielded

Applications:

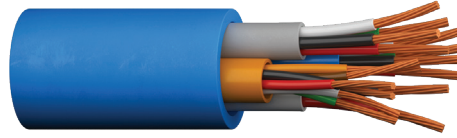
- Security systems
- Access control
- Card reader
- Door control
- REX
- Power-limited controls

Compliances:

- NEC Article 800 Type CMR (UL), c(UL)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)

Packaging:

- 500' and 1000' reels

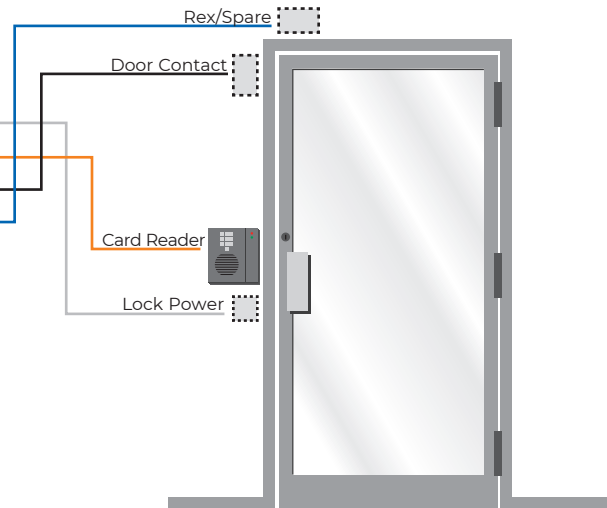


CATALOG NUMBER	OVERALL NOMINAL O.D. INCH (MM)	COMPONENT NO.	COMPONENT DESCRIPTIONS	CONDUCTORS COLOR CODE	COMPONENT NOMINAL O.D. INCH (MM)	INSULATION THICKNESS INCH (MM)
4ERS4S	0.430	1	4 Cond, 18 AWG, Shielded	White, Black, Red, Green	0.180 (4.572)	0.008 (0.2032)
		2	3 Pair, 22 AWG, Shielded	White & Green, Orange & Brown, Red & Black	0.195 (4.593)	0.008 (0.2032)
		3	2 Cond, 22 AWG, Shielded	Red, Black	0.125 (3.175)	0.008 (0.2032)
		4	4 Cond, 22 AWG, Shielded	White, Black, Red, Green	0.145 (3.683)	0.008 (0.2032)
4ERS1S	0.420	1	4 Cond, 18 AWG, Unshielded	White, Black, Red, Green	0.180 (4.572)	0.008 (0.2032)
		2	3 Pair, 22 AWG, Shielded	White & Green, Orange & Brown, Red & Black	0.195 (4.593)	0.008 (0.2032)
		3	2 Cond, 22 AWG, Unshielded	Red, Black	0.125 (3.175)	0.008 (0.2032)
		4	4 Cond, 22 AWG, Unshielded	White, Black, Red, Green	0.145 (3.683)	0.008 (0.2032)

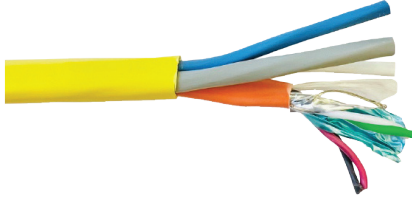
Data subject to change.

JACKET COLOR CODING & COMPONENT APPLICATION

Jacket Color	Component	Cable Type	Application
Gray	1	4 Conductor, 18 AWG	Lock Power
Orange	2	3 Pair, 22 AWG	Card Reader
White	3	2 Conductor, 22 AWG	Door Contact
Blue	4	4 Conductor, 22 AWG	Rex/Spare



Open Supervised Device Protocol (OSDP) Access Control Cable



Open Supervised Device Protocol (OSDP) Systems is a new, more advanced security system developed by the Security Industry Association (SIA) as the standard for government buildings, hospitals, and other applications that require smart cards, biometrics, or other federal identifications. Prysmian's new OSDP Composite Access Control cable is designed to work between readers and controllers according to the SIA OSDP standard. It also supports more advanced technologies and user interfaces, while reducing the costs and complexity of installation.

Product Construction:

- Yellow plenum PVC jacket

Features:

- Card reader member—22 AWG shielded foamed FEP pair, paired with an 18 AWG plenum PVC pair, with orange plenum PVC jacket with new low capacitance of 12.5 pF/FT.
- Door Contact member—22 AWG 2-conductor plenum PVC insulation and white plenum PVC jacket.
- Lock Power member—18 AWG 4-conductor plenum PVC insulation and gray plenum PVC jacket.
- Rex/Spare member—22 AWG 4-conductor plenum PVC insulation and blue plenum PVC jacket.

Benefits

- The low capacitance 12.5 pF/FT card reader member allows it to work over longer distances—up to 4,000 feet—between the card reader and the control panel
- Low capacitance reduces interference or signal degradation between the card reader and the control panel, allowing more reliable and faster communication and making the card reader more secure and effective in preventing non-authorized individuals from entering a restricted area.

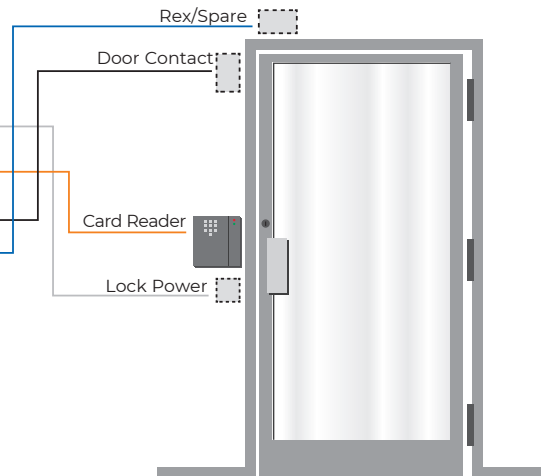
Standard Compliances & Ratings

- UL 444 CMP (plenum) rating
- NFPA 262 Steiner Tunnel Flame Test
- Temperature rating up to 75° C

Catalog Number: 4EPLOSDPAPPLICATION

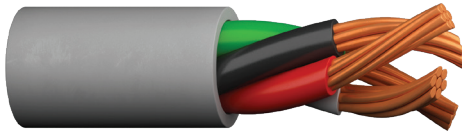
JACKET COLOR CODING & COMPONENT APPLICATION

Jacket Color	Component	Cable Type	Material
Gray	1	4 Conductor, 18 AWG	Plenum PVC
Orange	2	2 Pair, 18 AWG & 22 AWG (Shielded)	Plenum PVC & FEP
White	3	2 Conductor, 22 AWG	Plenum PVC
Blue	4	4 Conductor, 22 AWG	Plenum PVC



Multi-Conductor, Unshielded, Riser

NEC/CEC Type CMR and/or NEC Type CL3R and FPLR



Product Construction:

Conductor:

- Stranded or solid bare copper per ASTM B3, B8 and B286

Insulation:

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

Jacket:

- Premium-grade PVC, gray
- Sequential footage markings to facilitate installation
- Temperature range: -20°C to +90°C
- Includes ripcord

Applications:

- Power-limited control circuits
- Wiring of the following systems:
 - Intercom
 - Security
 - Audio
 - Background music
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 725 Type CL3R (UL: 90°C, 150 V)
- NEC Article 800 Type CMR (UL: 90°C, 300 V)
- NEC Article 760 Type FPLR (UL: 90°C, 300 V)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Suitable for use in the State of California

Packaging:

- Please contact Customer Service for packaging and color options

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET WALL		NOMINAL O.D.	
				in	mm	in	mm	in	mm
E1000S	2	22	Solid	0.007	0.20	0.015	0.38	0.118	3.00
E1001S	4	22	Solid	0.007	0.20	0.015	0.38	0.126	3.20
E1002S	2	22	7/30	0.008	0.20	0.015	0.38	0.122	3.10
E1003S	3	22	7/30	0.008	0.20	0.015	0.38	0.130	3.58
E1004S	4	22	7/30	0.008	0.20	0.015	0.38	0.141	3.66
E1006S	6	22	7/30	0.008	0.20	0.015	0.38	0.164	4.17
E1008S	8	22	7/30	0.008	0.20	0.015	0.38	0.180	4.57
E1010S	10	22	7/30	0.008	0.20	0.015	0.38	0.212	5.38
E1012S	12	22	7/30	0.008	0.20	0.015	0.38	0.219	5.56
E1022S	2	20	7/28	0.007	0.18	0.008	0.20	0.134	3.40
E1023S	3	20	7/28	0.008	0.20	0.015	0.38	0.142	3.61
E1024S	4	20	7/28	0.008	0.20	0.015	0.38	0.156	3.96
E1030S	2	18	Solid	0.008	0.20	0.015	0.38	0.144	3.66
E1032S	2	18	7/26	0.008	0.20	0.015	0.38	0.154	3.91
E1033S	3	18	7/26	0.008	0.20	0.015	0.38	0.163	4.14
E1034S	4	18	7/26	0.008	0.20	0.015	0.38	0.180	4.57
E1036S	6	18	7/26	0.008	0.20	0.015	0.38	0.216	5.49
E1038S	8	18	7/26	0.008	0.20	0.015	0.38	0.245	6.22
E1040S	10	18	7/26	0.008	0.20	0.015	0.38	0.282	7.16
E1041S	12	18	7/26	0.009	0.23	0.015	0.38	0.291	7.39
E1042S	2	16	19/0117	0.009	0.25	0.015	0.38	0.178	4.52
E1043S	3	16	19/0117	0.009	0.25	0.015	0.38	0.193	4.90
E1044S	4	16	19/0117	0.009	0.25	0.015	0.38	0.210	5.33
E1052S*	2	14	19/0147	0.013	0.33	0.015	0.38	0.224	5.69
E1054S*	4	14	19/0147	0.013	0.33	0.015	0.38	0.264	6.71
E1062S*	2	12	19/0185	0.013	0.33	0.015	0.38	0.260	6.60
E1064S*	4	12	19/0185	0.013	0.33	0.015	0.38	0.312	7.92

* NEC CL3R/FPLR only
Data subject to change.

COLOR CODE CHART

NO. OF COND.	COLOR	NO. OF COND.	COLOR	NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	4	Green	7	Orange	10	Gray
2	Red	5	Brown	8	Yellow	11	Pink
3	White	6	Blue	9	Purple	12	Tan



Multi-Conductor, Shielded, Riser

NEC/CEC Type CMR and/or NEC Type CL3R and FPLR

Product Construction:

Conductor:

- Stranded or solid bare copper per ASTM B3, B8 and B286

Insulation:

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

Shield:

- Overall Flexfoil® polyester supported aluminum foil
- Stranded tinned copper drain wire

Jacket:

- Premium-grade PVC, gray
- Sequential footage markings to facilitate installation
- Temperature range: -20°C to +90°C
- Includes ripcord

Applications:

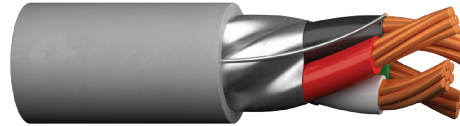
- Power-limited control circuits
- Wiring of the following systems:
 - Intercom
 - Security
 - Audio
 - Background music
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 725 Type CL3R (UL: 90°C, 300 V)
- NEC Article 800 Type CMR (UL: 90°C, 300 V)
- NEC Article 760 Type FPLR (UL: 90°C, 300 V)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Suitable for use in the State of California

Packaging:

- Please contact Customer Service for packaging and color options



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET WALL		NOMINAL O.D.	
				in	mm	in	mm	in	mm
E2000S	2	22	Solid	0.008	0.20	0.015	0.38	0.117	2.97
E2002S	2	22	7/30	0.008	0.20	0.015	0.38	0.132	3.35
E2003S	3	22	7/30	0.008	0.20	0.015	0.38	0.135	3.43
E2004S	4	22	7/30	0.008	0.20	0.015	0.38	0.147	3.73
E2006S	6	22	7/30	0.008	0.20	0.015	0.38	0.173	4.39
E2008S	8	22	7/30	0.008	0.20	0.015	0.38	0.195	4.95
E2010S	10	22	7/30	0.008	0.20	0.015	0.38	0.218	5.54
E2012S	12	22	7/30	0.010	0.25	0.008	0.20	0.222	5.64
E2022S	2	20	7/28	0.007	0.18	0.008	0.20	0.142	3.61
E2023S	3	20	7/28	0.007	0.18	0.008	0.20	0.151	3.84
E2024S	4	20	7/28	0.007	0.18	0.008	0.20	0.161	4.09
E2030S	2	18	Solid	0.009	0.20	0.008	0.20	0.147	3.73
E2032S	2	18	7/26	0.008	0.20	0.015	0.38	0.159	4.04
E2033S	3	18	7/26	0.008	0.20	0.015	0.38	0.168	4.27
E2034S	4	18	7/26	0.008	0.20	0.015	0.38	0.184	4.67
E2036S	6	18	7/26	0.008	0.20	0.015	0.38	0.221	5.61
E2038S	8	18	7/26	0.008	0.20	0.015	0.38	0.240	6.10
E2040S	10	18	7/26	0.008	0.20	0.015	0.38	0.287	7.29
E2041S	12	18	7/26	0.008	0.20	0.015	0.38	0.296	7.52
E2042S	2	16	19/0117	0.009	0.23	0.015	0.38	0.189	4.80
E2043S	3	16	19/0117	0.009	0.23	0.015	0.38	0.198	5.03
E2044S	4	16	19/0117	0.009	0.23	0.015	0.38	0.219	5.56
E2052S*	2	14	19/0147	0.013	0.33	0.015	0.38	0.245	6.22
E2054S*	4	14	19/0147	0.013	0.33	0.015	0.38	0.269	6.83
E2062S*	2	12	19/0185	0.013	0.33	0.015	0.38	0.281	7.14
E2064S*	4	12	19/0185	0.013	0.33	0.015	0.38	0.312	7.92

* NEC CL3R/FPLR only
Data subject to change.

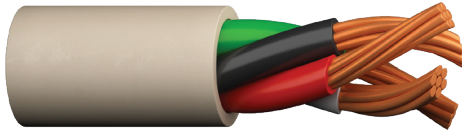
COLOR CODE CHART 5

NO. OF COND.	COLOR	NO. OF COND.	COLOR	NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	4	Green	7	Orange	10	Gray
2	Red	5	Brown	8	Yellow	11	Pink
3	White	6	Blue	9	Purple	12	Tan



Multi-Conductor, Unshielded, Plenum

NEC/CEC Type CMP and/or NEC Type CL3P and FPLP



Product Construction:

Conductor:

- Stranded or solid bare copper per ASTM B3, B8 and B286

Insulation:

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

Jacket:

- Premium-grade Flexguard® PVC, natural
- Sequential footage markings to facilitate installation
- Temperature range: -20°C to +75°C

Applications:

- Power-limited control circuits
- Wiring of the following systems:
 - Intercom
 - Security
 - Audio
 - Background music
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 725 Type CL3P (UL: 75°C, 150 V)
- NEC Article 800 Type CMP (UL: 75°C, 300 V)
- NEC Article 760 Type FPLP (UL: 75°C, 300 V)
- Suitable for use in the State of California

Packaging:

- Please contact Customer Service for packaging and color options

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET WALL		NOMINAL O.D.	
				in	mm	in	mm	in	mm
E3000S	2	22	Solid	0.007	0.18	0.015	0.38	0.108	2.74
E3001S	4	22	Solid	0.007	0.18	0.015	0.38	0.124	3.15
E3002S	2	22	7/30	0.008	0.20	0.015	0.38	0.120	3.05
E3003S	3	22	7/30	0.008	0.20	0.015	0.38	0.127	3.23
E3004S	4	22	7/30	0.008	0.20	0.015	0.38	0.139	3.53
E3006S	6	22	7/30	0.008	0.20	0.015	0.38	0.164	4.17
E3008S	8	22	7/30	0.008	0.20	0.015	0.38	0.178	4.52
E3010S	10	22	7/30	0.008	0.20	0.015	0.38	0.194	4.92
E3012S	12	22	7/30	0.008	0.20	0.015	0.38	0.211	5.36
E3022S	2	20	7/28	0.009	0.23	0.015	0.20	0.134	3.40
E3023S	3	20	7/28	0.009	0.23	0.015	0.20	0.142	3.61
E3024S	4	20	7/28	0.009	0.23	0.015	0.20	0.156	3.96
E3030S	2	18	Solid	0.008	0.20	0.015	0.38	0.142	3.61
E3032S	2	18	7/26	0.008	0.20	0.015	0.38	0.156	3.96
E3033S	3	18	7/26	0.008	0.20	0.015	0.38	0.166	4.22
E3034S	4	18	7/26	0.008	0.20	0.015	0.38	0.187	4.75
E3036S	6	18	7/26	0.008	0.20	0.015	0.38	0.216	5.49
E3038S	8	18	7/26	0.008	0.20	0.015	0.38	0.235	5.97
E3042S	2	16	19/0117	0.008	0.20	0.015	0.38	0.174	4.42
E3043S	3	16	19/0117	0.008	0.20	0.015	0.38	0.185	4.70
E3044S	4	16	19/0117	0.009	0.23	0.008	0.20	0.205	5.21
E3052S*	2	14	19/0147	0.011	0.28	0.015	0.38	0.216	5.49
E3054S*	4	14	19/0147	0.011	0.28	0.015	0.38	0.255	6.48
E3062S*	2	12	19/0185	0.011	0.28	0.015	0.38	0.252	6.40
E3064S*	4	12	19/0185	0.011	0.28	0.015	0.38	0.298	7.57

* NEC CL3P/FPLP only
Data subject to change.

COLOR CODE CHART

NO. OF COND.	COLOR	NO. OF COND.	COLOR	NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	4	Green	7	Orange	10	Gray
2	Red	5	Brown	8	Yellow	11	Pink
3	White	6	Blue	9	Purple	12	Tan



Multi-Conductor, Shielded, Plenum

NEC/CEC Type CMP and/or NEC Type CL3P and FPLP

Product Construction:

Conductor:

- Stranded or solid bare copper per ASTM B3, B8 and B286

Insulation:

- Premium-grade, color-coded Flexguard® PVC

Shield:

- Overall Flexfoil® polyester supported aluminum foil
- Stranded tinned copper drain wire

Jacket:

- Premium-grade Flexguard® PVC, natural
- Sequential footage markings to facilitate installation
- Temperature range: -20°C to +75°C

Applications:

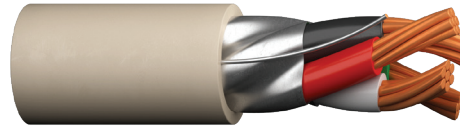
- Power-limited control circuits
- Wiring of the following systems:
 - Intercom
 - Security
 - Audio
 - Background music
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 725 Type CL3P (UL: 75°C, 150 V)
- NEC Article 800 Type CMP (UL: 75°C, 300 V)
- NEC Article 760 Type FPLP (UL: 75°C, 300 V)
- Suitable for use in the State of California

Packaging:

- Please contact Customer Service for packaging and color options



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET WALL		NOMINAL O.D.	
				in	mm	in	mm	in	mm
E2100S	2	22	Solid	0.007	0.18	0.015	0.38	0.116	2.95
E2102S	2	22	7/30	0.008	0.20	0.015	0.38	0.128	3.25
E2103S	3	22	7/30	0.008	0.20	0.015	0.38	0.131	3.33
E2104S	4	22	7/30	0.008	0.20	0.015	0.38	0.147	3.73
E2106S	6	22	7/30	0.008	0.20	0.015	0.38	0.176	4.47
E2108S	8	22	7/30	0.008	0.20	0.015	0.38	0.184	4.67
E2110S	10	22	7/30	0.008	0.20	0.015	0.38	0.215	5.46
E2112S	12	22	7/30	0.008	0.20	0.015	0.38	0.222	5.64
E2122S	2	20	7/28	0.009	0.23	0.015	0.20	0.139	3.53
E2123S	3	20	7/28	0.009	0.23	0.015	0.20	0.147	3.73
E2124S	4	20	7/28	0.009	0.23	0.015	0.20	0.161	4.09
E2200S	2	18	Solid	0.008	0.20	0.015	0.38	0.148	3.76
E2202S	2	18	7/26	0.008	0.20	0.015	0.38	0.164	4.17
E2203S	3	18	7/26	0.008	0.20	0.015	0.38	0.169	4.29
E2204S	4	18	7/26	0.008	0.20	0.015	0.38	0.185	4.70
E2206S	6	18	7/26	0.010	0.25	0.008	0.20	0.218	5.54
E2208S	8	18	7/26	0.010	0.25	0.008	0.20	0.237	6.02
E2242S	2	16	19/0117	0.008	0.20	0.015	0.38	0.179	4.55
E2243S	3	16	19/0117	0.008	0.20	0.015	0.38	0.190	4.83
E2244S	4	16	19/0117	0.008	0.20	0.015	0.38	0.209	5.31
E2252S*	2	14	19/0147	0.008	0.20	0.011	0.28	0.235	5.97
E2254S*	4	14	19/0147	0.008	0.20	0.011	0.28	0.260	6.60
E2262S*	2	12	19/0185	0.008	0.20	0.011	0.28	0.257	6.53
E2264S*	4	12	19/0185	0.008	0.20	0.011	0.28	0.303	7.70

* NEC CL3P/FPLP only
Data subject to change.

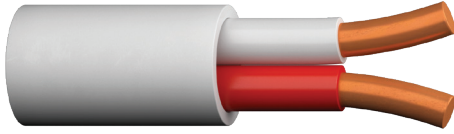
COLOR CODE CHART

NO. OF COND.	COLOR	NO. OF COND.	COLOR	NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	4	Green	7	Orange	10	Gray
2	Red	5	Brown	8	Yellow	11	Pink
3	White	6	Blue	9	Purple	12	Tan



Thermostat Wire

105°C 150 Volt UL Type CL2



20 AWG THERMOSTAT WIRE — 150 VOLT — UL TYPE CL2

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOMINAL INS. THICKNESS		NOMINAL O.D.		APPROX. NET WEIGHT LBS/M ⁽⁵⁾	STD. CTN.
				in	mm	in	mm		
05482	2	20	Solid	0.008	0.203	0.126	3.20	11	1000'
05483	3	20	Solid	0.008	0.203	0.133	3.38	16	1000'
05484	4	20	Solid	0.008	0.203	0.142	3.61	19	500'
05485	5	20	Solid	0.008	0.203	0.160	4.06	24	500'
05486	6	20	Solid	0.008	0.203	0.175	4.45	27	500'
05487	7	20	Solid	0.008	0.203	0.175	4.45	31	500'
05488	8	20	Solid	0.008	0.203	0.189	4.80	35	500'
05489*	9	20	Solid	0.008	0.203	0.204	5.18	40	500'
05481*	10	20	Solid	0.008	0.203	0.222	5.64	45	250'

18 AWG THERMOSTAT WIRE — 150 VOLT — UL TYPE CL2

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOMINAL INS. THICKNESS		NOMINAL O.D.		APPROX. NET WEIGHT LBS/M ⁽⁵⁾	STD. CTN.
				in	mm	in	mm		
05582	2	18	Solid	0.008	0.203	0.142	3.61	16	1000'
05583	3	18	Solid	0.008	0.203	0.150	3.81	22	1000'
05584	4	18	Solid	0.008	0.203	0.165	4.19	28	500'
05585	5	18	Solid	0.008	0.203	0.181	4.60	36	500'
05586	6	18	Solid	0.008	0.203	0.208	5.28	42	500'
05587	7	18	Solid	0.008	0.203	0.208	5.28	48	500'
05588	8	18	Solid	0.008	0.203	0.225	5.72	54	500'
05589*	9	18	Solid	0.008	0.203	0.243	6.17	61	500'
05581	10	18	Solid	0.008	0.203	0.264	6.71	69	250'

⁽⁵⁾Actual shipping weight may vary. Data subject to change.

Product Construction:

Conductors:

- 20 and 18 AWG annealed solid bare copper per ASTM B3

Insulation:

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

Jacket:

- Polyvinylchloride (PVC), white
- Temperature range: -20°C to +105°C

Jacket Marking:

- CAROL AWG TYPE CL2 E# (UL) 105°C SUNLIGHT RESISTANT - MADE IN USA

Applications:

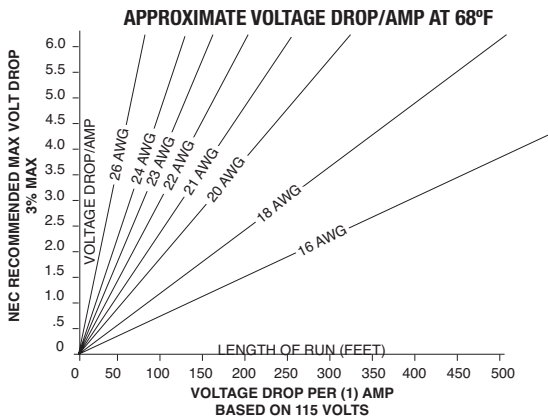
- Thermostat control
- Heating and air conditioning installations
- Touch-plate systems
- Burglar alarms
- Intercom systems
- Door bells
- Annunciator and bell systems
- Remote control units
- Signal systems
- Other low-voltage installations

Industry Approvals:

- UL Listed Type CL2
- RoHS Compliant

Packaging:

- 4- through 10-conductor available on 250' (76.2 m) spools
- 2- and 3-conductor available on 500' (152.4 m) spools
- Other put-ups available on special order



COLOR CODE CHART

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



Plenum Thermostat Wire

300V, 75C, Plenum Rated, Low Voltage Power Limited Circuit Cable
Unshielded CL2P/FPLP/CMP Cable

Product Construction:

Conductors:

- 18 AWG Solid Bare Copper

Insulation:

- Premium-grade, color-coded PVC
- Temperature range: -20°C to +60°C
- Color code: See chart below

Jacket:

- Polyvinyl Chloride (PVC), Natural White
- Temperature Range: -20°C to +75°C

Jacket Marking:

- PRYSMIAN CAROL(R) 18 AWG – 05690P
- -- 75C E60233-H (UL) CL2P OR FPLP ---
- (UL) C(UL)CMP -- ROHS -- ORIGIN USA
- (DATE CODE) (TRU SEQ FT – ASC – 250 -2)
- (PRINT EVERY 2 FT)

Applications:

- Commercial audio, security and generalpurpose power limited circuit cable for low voltage cable applications.

Industry Approvals:

- NEC Article 725
- UL Standard 13 – Type CL2P
- NEC Article 760
- UL Standard 1424 – Type FPLP
- NEC Article 800
- UL Standard 444 – Type CMP
- EU Directive 2015/863/EU (RoHS-3) Reach Compliant

Packaging:

- 250' spools

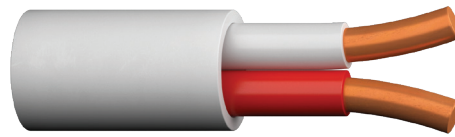


TABLE 1 - PHYSICAL AND ELECTRICAL DATA



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOMINAL INS. THICKNESS		NOMINAL O.D.		APPROX. NET WEIGHT LBS/M ^(S)
				in	mm	in	mm	
05682P	2	18	Solid	0.008	0.203	0.140	3.56	19.73
05683P	3	18	Solid	0.008	0.203	0.149	3.78	25.92
05684P	4	18	Solid	0.008	0.203	0.164	4.17	32.29
05685P	5	18	Solid	0.008	0.203	0.180	4.57	38.69
05686P	6	18	Solid	0.008	0.203	0.196	4.98	45.10
05688P	8	18	Solid	0.008	0.203	0.213	5.41	57.44
05690P	10	18	Solid	0.008	0.203	0.252	6.40	70.47

CATALOG NUMBER	CONDUCTOR SIZE	SUGGEST WORKING VOLTAGE	DC RESISTANCE PER CONDUCTOR @ 20°C	CAPACITANCE PF/FT NOM	IMPEDANCE OHMS
05682P	18	300V	6.52	34.0	57.1
05683P	18	300V	6.52	34.0	57.1
05684P	18	300V	6.52	34.0	57.1
05685P	18	300V	6.52	34.0	57.1
05686P	18	300V	6.52	34.0	57.1
05688P	18	300V	6.52	34.0	57.1
05690P	18	300V	6.52	34.0	57.1

COLOR CODE CHART

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

JACKET COLOR

	White
	Natural



Low Voltage Dimming or Luminaire Cable

300V, 75C, Plenum Rated, Low Voltage Power Limited Dimming 2/C Stranded Unshielded CL3P/FPLP/CMP Cable

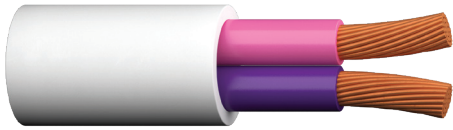


TABLE 1 - PHYSICAL AND ELECTRICAL DATA

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOMINAL O.D.		APPROX NET WEIGHT LBS/1000FT
				in	mm	in	mm	
91027A	2	18	STRANDED	0.008	.203	0.154	3.91	17.7
91025A	2	18	SOLID	0.008	.203	0.142	3.60	17.10
91024A	2	16	SOLID	0.009	.228	0.168	4.27	24.7
91036A	2	16	STRANDED	0.008	.203	0.174	4.42	25.04

CATALOG NUMBER	CONDUCTOR SIZE	SUGGEST WORKING VOLTAGE	DC RESISTANCE PER CONDUCTOR @ 20°C	CAPACITANCE PF/FT NOM	IMPEDANCE OHMS
91027A	18	300v	6.66	32.4	60.1
91025A	18	300V	6.52	34.0	57.1
91024A	16	300v	4.10	35.08	55.40
91036A	16	300V	4.19	36.1	53.8

Product Construction:

Conductor:

- 18 or 16 AWG solid or stranded bare copper

Insulation:

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

Ripcord:

- Polyester Ripcord under the jacket for ease of removal

Jacket:

- Polyvinyl Chloride (PVC), Natural White
- Temperature Range: -20°C to +75°C

Jacket Marking:

- PRYSMIAN CAROL(R) 18 AWG -- 91027A -- 75C E60233-H (UL) CL3P OR FPLP --- (UL) C(UL) CMP -- ROHS -- ORIGIN USA (DATE CODE) (SEQ FT) (PRINT EVERY 2 FT)

Applications:

- Commercial audio, dimming, security and general purpose power limited circuit cable for low voltage cable applications

Industry Approvals:

- NEC Article 725
- UL Standard 13 – Type CL3P
- NEC Article 760
- UL Standard 1424 – Type FPLP
- NEC Article 800
- UL Standard 444 – Type CMP
- EU Directive 2015/863/eu (RoHS-3) Reach Compliant

Packaging:

- 1000 FT PULL PACS

COLOR CODE CHART

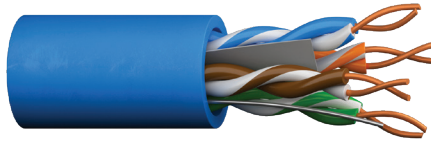
NO. OF COND.	COLOR
1	Purple
2	Pink

JACKET COLOR



Category Cables

6



For more than a century and a half, Prysmian has stayed ahead of the industry's changing needs with products that anticipate future performance requirements and provide best value in cabling solutions. With the ever-increasing need for readily available information in our lives, CAROL® Brand Category Cables transmit data through computer and telecommunications systems and are available in a variety of performance levels and constructions, including Category 6 and Category 5e cables.

Prysmian's Carol® MAX Category 6 Cable is a cost effective, extended distance 22 AWG cable that provides power and bandwidth beyond IEEE standards. Perfect for making it easier to connect complex network systems with high-powered PoE capabilities. Carol® 6 MAX delivers 1 Gbps at up to 200 meters certified by Third Party Testers.

Next, our Category 6 cables have been enhanced to provide the market with a cost-effective, high-bandwidth and high-performance cabling solution for more robust and complex applications at Gigabit speed and full duplex transmissions. Our Cat 6 solutions provides a cable system infrastructure with assurance for advanced applications demanding more bandwidth.

Finally, with steady, continuous performance, our Category 5e solutions meet all Cat 5e requirements for present and future network requirements ensuring increased headroom, lower bit-error rates and higher signal transmission quality.

All CAROL Brand Category Cables are safety listed to the NEC and CEC requirements, and most are verified for electrical performance. This independent third party testing further confirms the quality and performance of Prysmian products.

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Category 6 Cable - Carol MAX	69-70
Category 6 Cable	71
Category 5e Cable	72

Category 6 Cable - Carol MAX

Extended Distance (22 AWG)

Product Construction:

Conductors:

- 22 AWG solid bare annealed copper

Separator:

- CMP: Divider
- OSP: Cross-web

Insulation:

- CMP: Fluoropolymer
- OSP: Polyolefin

Jacket:

- CMP: Low-Smoke, Flame-Retardant PVC
- OSP: UV- and abrasion-resistant polyethylene

Applications:

- IEEE 802.3; 1000 Base-T, 100 Base-TX, 10 Base-T, PoE, PoE+, PoE++
- ANSI/TIA 854: 1000 Base-TX
- CDDI, Token Ring, ATM
- Digital Video
- Broadband a Baseband Analog Video
- OSP: Duct and conduit installations
- Supports the growth of higher-wattage devices (IT/IP, IoT, and IoE)
- CMP: Compatible with new higher-speed, higher-power USB 3.1 SuperSpeed

Compliances:

- ANSI/TIA 568.2-D
- CMP: TIA TSB-184:2009
- UL 444
- RoHS Compliant Directive 2011/65 EU
- ANSI/TIA 862 (Building Automation)
- ICEA S-116-732
- ICEA S-102-700
- ISO/IEC 11801 Ed. 2.0 (Class E)
- OSP: Telcordia (Bellcore) Specification GR-421-CORE Water Penetration Requirement

Packaging:

- 1000' Spool-Pac®



PART NUMBERS

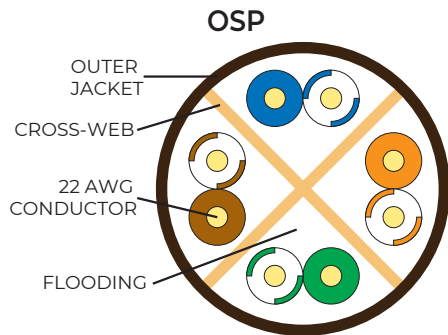
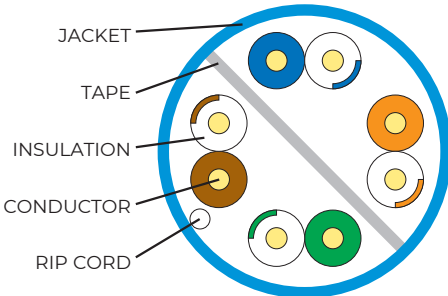
JACKET COLOR	CMP (Plenum)		OSP (Outside Plant)
	PULL-PAC®	SPOOL-PAC®	SPOOL-PAC®
Blue	CP622.30.07	CP622.A3.07	N/A
White	CP622.30.02	CP622.A3.02	N/A
Gray	CP622.30.10	CP622.A3.10	N/A
Green	CP622.30.06	CP622.A3.06	N/A
Yellow	CP622.30.05	CP622.A3.05	N/A
Red	CP622.30.03	CP622.A3.03	N/A
Black	CP622.30.01	CP622.A3.01	CX622.A3.01

ELECTRICAL PERFORMANCE

FREQUENCY MHZ	PSACR (MIN)	ACR (MIN)	INSERTION LOSS (MAX)	PSNEXT (MIN)	NEXT (MIN)	RETURN LOSS (MIN)	TCL (MIN)
1	70.4	72.4	1.9	72.3	74.3	20.0	40.0
4	59.8	61.8	3.5	63.3	65.3	23.0	40.0
10	51.8	53.8	5.5	57.3	59.3	25.0	40.0
16	47.2	49.2	7.0	54.2	56.2	25.0	38.0
20	44.9	46.9	7.9	52.8	54.8	25.0	37.0
31.25	40.0	42.0	9.9	49.9	51.9	23.6	35.1
62.5	31.1	33.1	14.3	45.4	47.4	21.5	32.0
100	23.9	25.9	18.4	42.3	44.3	20.1	28.2
150	16.7	18.7	23.0	39.7	41.7	18.9	27.0
200	10.8	12.8	27.0	37.8	39.8	18.0	26.0
250	5.7	7.7	30.6	36.3	38.3	17.3	-

Note: Values are expressed in dB per 100m (328 ft.) length @ 20° C.

CMP CATEGORY 6 CROSS-SECTION



PHYSICAL DATA

	PLENUM	OSP
Nominal Cable Diameter (in)	0.245	0.295
Nominal Cable Weight (lbs/1000ft)	38	40
Minimum Bend Radius (in)	1.0	1.0
Maximum Pulling Force (lbs)	32	32
Temperature Rating (° C)		
Installation:	0 to +60	-30 to +60
Operation:	-20 to +75	-45 to +80

ELECTRICAL CHARACTERISTICS

	MAX	OSP
DC Resistance Ohms/100m (328ft) @ 20° C	9.38	6.50
DC Resistance Unbalance Individual Pair %	4.00	< 1
Delay Skew ns/100m	45	35
Nom. Velocity of Propagation % Speed of Light	CMP: 72% OSP: 66%	
Characteristic Impedance	Ohms	
Frequency (f):	1-350 MHz	100 ± 15



Carol MAX

Cat 6 Extended Distance (22 AWG)

FEATURING
EFFICIENCY MAX
technology to support PoE applications

Carol® 6 MAX Category 6 (22 AWG) cables provide maximum versatility to challenging installations with a Plenum and Outside Plant cable option. The cable meets all Category 6 requirements under 100 meters. It also provides power and bandwidth at extended distances beyond the IEEE standard. The same industry-trusted high-powered PoE cable that has been in the market since 2015 is now guaranteed to meet your extended distance needs.

Primary enhancement—larger copper (22 AWG)

- Less voltage drop
- Increased current-carrying capacity
- Performs better in hotter environments (less heat generation)

CAROL® 6 MAX delivers 1 Gbps at up to 200 meters certifiable by Third Party Testers

Exceeds the 100-meter Category Cable limitations distance while meeting all your application needs:



ITC

AV SYSTEMS
IP PHONES



SECURITY

4K CAMERAS
ACCES CONTROL



IoT DEVICES

RETAIL
TEMPERATURE/HUMIDITY CONTROLS



BUILDING AUTOMATION

PARKING SYSTEMS
BUILDING SYSTEMS

Performance expectations can vary based on application and temperature. The below table is a guide to the max distance in your installation:

Type 1 PoE (802.3af) up to 15.4W – ex. VoIP and Cameras

Type 2 PoE (802.3at) up to 30W – ex. Video IP Phones, Alarm Systems, Heated / PTZ Cameras

Type 3/Type 4 PoE (802.3bt) up to 60W/90W – ex. WiFi, Laptops, 8k Cameras

CAROL® MAX Cable**	PoE @ Ambient Temp			
	Type 1	Type 2	Type 3	Type 4
Max Distance @ 10 Mbps	274m	250m	250m	250m
Max Distance @ 100 Mbps	230m	230m	230m	230m
Max Distance @ 1Gbps	200m	200m	200m	200m

**Maximum distance is subject to change based on manufacturer's equipment and other environmental conditions.

Category 6 Cable

Standard-Compliant Solution

Product Construction:

Conductors:

- Non-Plenum: 23 AWG sold bare annealed copper
- Plenum: 24 AWG sold bare annealed copper

Insulation:

- Non-Plenum: Polyolefin
- Plenum: Fluoropolymer

Separator:

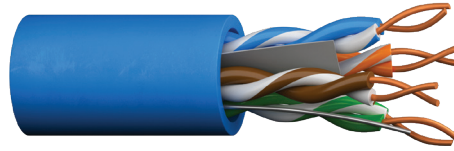
- Tape

Rip Cord:

- Applied longitudinally under jacket

Jacket:

- Non-Plenum: flame-retardant PVC
- Plenum: low-smoke, flame-retardant PVC
- TRU-Mark® print legend contains footage markings from 1000' to 0'



PART NUMBERS

JACKET COLOR	PULL-PAC® II		SPOOL-PAC®	
	CMR (NON-PLENUM)	CMP (PLENUM)	CMR (NON-PLENUM)	CMP (PLENUM)
Blue	CR6.30.07	CP6.30.07	CR6.A3.07	CP6.A3.07
White	CR6.30.02	CP6.30.02	CR6.A3.02	CP6.A3.02
Gray	CR6.30.10	CP6.30.10	CR6.A3.10	CP6.A3.10
Green	CR6.30.06	CP6.30.06	CR6.A3.06	CP6.A3.06
Yellow	CR6.30.05	CP6.30.05	CR6.A3.05	CP6.A3.05
Red	CR6.30.03	CP6.30.03	CR6.A3.03	CP6.A3.03

Applications:

- IEEE 802.3: 1000 BASE-T (Gigabit Ethernet), 100 BASE-TX, 10 BASE-T
- ANSI/TIA/EIA 854: 1000 BASE-TX
- 155 Mp/s, 1.2 Gb/s ATM
- ANSI X3.263: 100 Mb/s
- IEEE 802.3af DTE Power (PoE)
- Digital video

Compliances:

- ANSI/TIA 568 B.2-1 (Category 6)
- ANSI/TIA 862 (Building Automation)
- ISO/IEC 11801 Ed. 2.0 (Class E)
- ICEA S-102-700 (Category 6)
- Type CMP (NFPA 262 and CSA FT6 Steiner Tunnel Fire Tests for Plenum Applications)
- UL 444
- NEC/CEC Type CMP (NFPA 262 and CSA FT6 Steiner Tunnel Fire Tests for Plenum Applications)
- NEC/CEC Type CMR (UL 1666) for Non-Plenum
- RoHS Compliant Directive 2011/65/EU
- Third-party verified for guaranteed performance

Packaging:

- 1000' Pull-Pac® II
- 1000' Spool-Pac®

ELECTRICAL PERFORMANCE

FREQUENCY MHZ	PSACR (MIN)	ACR (MIN)	ATTENUATION (MAX)	PSNEXT (MIN)	NEXT (MIN)	PSELFEXT (MIN)	ELFEXT (MIN)	RETURN LOSS (MIN)	LCL (MIN)	ELCTL (MIN)
1	70.3	72.3	2.0	72.3	74.3	64.8	67.8	20.0	40.0	35.0
4	59.3	61.5	3.8	63.3	65.3	52.8	55.7	23.0	40.0	23.0
10	51.3	53.3	6.0	57.3	59.3	44.8	47.8	25.0	40.0	15.0
16	46.7	48.7	7.6	54.2	56.2	40.7	43.7	25.0	38.0	10.9
20	44.3	46.3	8.5	52.8	54.8	38.8	41.7	25.0	37.0	9.0
31.25	39.2	41.2	10.7	49.9	51.9	34.9	37.9	23.6	35.1	5.1
62.5	29.9	32.0	15.4	45.4	47.4	28.9	31.8	21.5	32.0	5.0
100	22.5	24.5	19.8	42.3	44.3	24.8	27.8	20.1	30.0	5.0
150	14.9	16.9	24.7	39.7	41.7	21.3	24.3	18.9	28.2	5.0
200	8.8	10.8	29.0	37.8	39.8	18.8	21.8	18.0	27.0	5.0
250	3.5	5.5	32.8	36.3	38.3	16.8	19.8	17.3	26.0	5.0
350	—	—	39.8	34.1	36.1	13.9	16.9	16.3	—	—
400	—	—	43.0	33.3	35.3	12.8	15.8	15.9	—	—
500	—	—	48.9	31.8	33.8	10.8	13.8	15.2	—	—

Notes: Values are expressed in dB per 100m (328 ft.) length. Values above 250 MHz are for informational purposes only.

PHYSICAL DATA

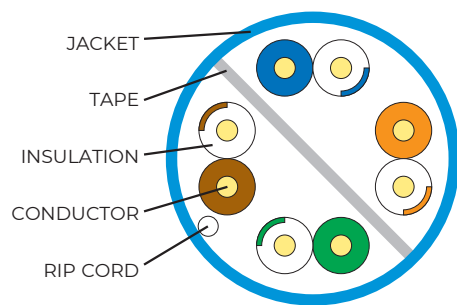
	CMR (NON-PLENUM)	CMP (PLENUM)
Nominal Cable Diameter (in)	0.220	0.205
Nominal Cable Weight (lbs/1000ft)	28	28
Minimum Bend Radius (in)	1.0	1.0
Maximum Pulling Force (lbs)	32	32
Temperature Rating (°C)		
Installation:	0 to +60	0 to +60
Operation:	-20 to +75	-20 to +75

ELECTRICAL CHARACTERISTICS

DC Resistance (max) Ohms/100m (328ft) @ 20 °C	9.38
DC Resistance Unbalance (max) Individual Pair %	4.0
Delay Skew (max) ns/100m	45
Nom. Velocity of Propagation % Speed of Light	CMP: 70 CMR: 68
Characteristic Impedance	Ohms
Frequency (f):	1-250 MHz 100 ± 15

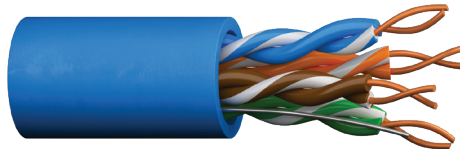
Data subject to change.

CATEGORY 6 CROSS-SECTION



Category 5e Cable

Enhanced Transmission Throughput



PART NUMBERS

JACKET COLOR	PULL-PAC® II		SPOOL-PAC®	
	CMR (NON-PLENUM)	CMP (PLENUM)	CMR (NON-PLENUM)	CMP (PLENUM)
Blue	CR5.30.07	CP5.30.07	CR5.A3.07	CP5.A3.07
White	CR5.30.02	CP5.30.02	CR5.A3.02	CP5.A3.02
Gray	CR5.30.10	CP5.30.10	CR5.A3.10	CP5.A3.10
Green	CR5.30.06	CP5.30.06	CR5.A3.06	CP5.A3.06
Yellow	CR5.30.05	CP5.30.05	CR5.A3.05	CP5.A3.05
Red	CR5.30.03	CP5.30.03	CR5.A3.03	CP5.A3.03

ELECTRICAL PERFORMANCE

FREQUENCY MHZ	PSACR (MIN)	ACR (MIN)	ATTENUATION (MAX)	PSNEXT (MIN)	NEXT (MIN)	PSELFEXT (MIN)	ELFEXT (MIN)	RETURN LOSS (MIN)
1	60.3	63.3	2.0	62.3	65.3	60.8	63.8	20.0
4	49.2	52.2	4.1	53.3	56.3	48.7	51.7	23.0
10	40.8	43.8	6.5	47.3	50.3	40.8	43.8	25.0
16	36.0	39.0	8.2	44.2	47.2	36.7	39.7	25.0
20	33.5	36.5	9.3	42.8	45.8	34.7	37.7	25.0
25	30.9	33.9	10.4	41.3	44.3	32.8	35.8	24.3
31.25	28.2	31.2	11.7	39.9	42.9	30.9	33.9	23.6
62.5	18.4	21.4	17.0	35.4	38.4	24.8	27.8	21.5
100	10.3	13.3	22.0	32.3	35.3	20.8	23.8	20.1
155	1.4	4.4	28.1	29.4	32.4	16.9	19.9	—
200	—	—	32.4	27.8	30.8	14.7	17.7	—
250	—	—	36.9	26.3	29.3	12.8	15.8	—
350	—	—	44.9	24.1	27.1	9.9	12.9	—

Notes: Values are expressed in dB per 100m (328 ft.) length. Values above 250 MHz are for informational purposes only.

PHYSICAL DATA

	CMR (NON-PLENUM)	CMP (PLENUM)
Nominal Cable Diameter (in)	0.200	0.180
Nominal Cable Weight (lbs/1000ft)	21	19
Minimum Bend Radius (in)	1.0	1.0
Maximum Pulling Force (lbs)	25	25
Temperature Rating (°C)		
Installation:	0 to +60	0 to +60
Operation:	-10 to +60	-10 to +60

ELECTRICAL CHARACTERISTICS

DC Resistance (max) Ohms/100m (328ft) @ 20° C	9.38
DC Resistance Unbalance (max) Individual Pair %	4.0
Delay Skew (max) ns/100m	45
Nom. Velocity of Propagation % Speed of Light	CMP: 72 CMR: 70
Characteristic Impedance Frequency (f): 1-100 MHz	Ohms 100 ± 15

Data subject to change.

Product Construction:

Conductors:

- 24 AWG solid bare annealed copper

Insulation:

- Non-Plenum: Polyolefin
- Plenum: Fluoropolymer

Rip Cord:

- Applied longitudinally under jacket

Jacket:

- Non-Plenum: flame-retardant PVC
- Plenum: low-smoke, flame-retardant PVC
- TRU-Mark® print legend contains footage markings from 1000' to 0'

Applications:

- IEEE 802.3: 1000 BASE-T (Gigabit Ethernet), 100 BASE-TX, 10 BASE-T
- 52/155 Mp/s ATM
- ANSI X3.263: 100 Mb/s
- 4/16 Mp/s token ring

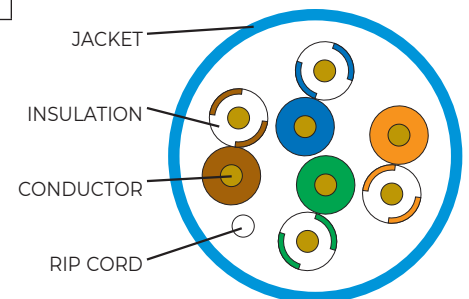
Compliances:

- ANSI/TIA 568 B.2 (Category 5e)
- ICEA S-90-661 (Category 5e)
- Type CMR (UL 1666) for Non-Plenum
- NEC/CEC Type CMP (NFPA 262 and CSA FT6 Steiner Tunnel Fire Tests for Plenum Applications)
- UL 444
- RoHS Compliant Directive 2011/65/EU
- Third-party verified for guaranteed performance

Packaging:

- 1000' Pull-Pac® II
- 1000' Spool-Pac®

CATEGORY 5e CROSS-SECTION

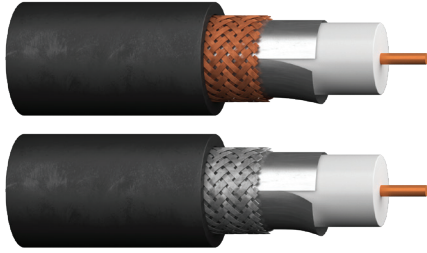


Designed to Meet
NFPA 262 and CSA FT6
Steiner Tunnel Fire Tests
for Plenum Applications
Underwriters Laboratories Inc.



Coaxial Cable

7



To meet the needs of today's sophisticated, high-speed, wide bandwidth electronics over long distances, with minimum signal loss or degradation, Prysmian CAROL® Brand offers a wide range of coaxial and twinaxial designs in both unbalanced arrays and precision-balanced pairs. This offers the system designer a wide choice of cost-effective products that reflect the most recent changes in the standards set by UL, CSA and/or the FCC.

Included in this section are recommended CAROL Brand coaxial products for the CATV market. However, these constructions may differ in certain parts of the country.

Unlike other products in the electronic market, coaxial cable does not have one accepted standard construction.

Prysmian recommends, in order to avoid installing an unacceptable coaxial cable for the CATV application in your area, the local CATV company should be consulted.

Prysmian's CAROL Brand product mix encompasses standard RG/U-type coaxial constructions in the more popular 50, 75 and 93 ohm designs and miniature coaxial products for smaller high-speed applications.

The twinaxial products meet or exceed the stringent demands of today's precision-balanced pair systems. The minimization of capacitance unbalance is a necessary requirement for long distance data transmission.

Section	Page
RG 6/U Type	74
RG 11/U Type	75
RG 58/U Type	76
RG 59/U Type	77
RG 213/U Type	78

RG 6/U Type

Product Construction:

Conductors:

- Copper per ASTM B3

Insulation/Core:

- Foam polyethylene (PE)
- Foam fluoropolymer (FEP)

Shield:

- Tinned copper braid
- Flexfoil® shield
- Bare copper braid

Jacket:



- Premium-grade PVC compound
- Flexguard® PVC compound or PVDF

Packaging:

- Please contact Customer Service for packaging and color options

Applications:

- Broadcast grade headend
- Serial Digital Interface (SDI)
- CATV
- DBS
- Drop cable
- HDTV
- CCTV†
- Digital video

CATALOG NUMBER	AWG SIZE NOM. DCR	INSULATION O.D.		SHIELD COVERAGE NOM SHLD DCR	NOMINAL O.D.		NOMINAL CAPACITANCE		VELOCITY OF PROPAGATION, %	NOMINAL IMPEDANCE, Ω	NOMINAL ATTENUATION	
		in	mm		in	mm	pF/ft	pF/m			MHz	dB/100'
395011 ETL CMR c(ETL) CMR ETL CL2R c(ETL) CL2R 	18 Ga. Solid Bare Copper 6.5 Ω/ Mft.	Foam PE		Dual Foil + 95% Tinned Copper Braid Shield 2.8 Ω/Mft.	Flame-Retardant PVC		16.00	53.10	83	75	1	0.24
		0.180	4.57		0.275	6.91					3.6	0.45
495035† UL CMP c(UL) CMP 75°C 	18 Ga. Solid Bare Copper 6.7 Ω/ Mft.	Fluoropolymer		95% Bare Copper Braid 2.0 Ω/Mft.	Flexguard® PVC		16.00	52.50	83	75	1	0.21
		0.170	4.32		0.277	5.77					10	0.59
											50	1.38
											100	2.24
											200	3.13
											540	5.50
											1000	8.16
											1500	10.12
											2250	13.23
											3000	16.11

Data subject to change.

RG 11/U Type Serial Digital Interface (SDI) Precision Cable

Extended-Distance, 75 Ohm High-End Coaxial Cables for Exacting Video,
Analog & Digital Applications

Product Construction:

Conductor:

- Copper per ASTM B3

Insulation/Core:

- Foam polyethylene (PE)

Shield:

- Bare copper

Jacket:


- Premium PVC compound

Packaging:

- Please contact Customer Service for packaging and color options

Applications:

- Suitable for RF signal transmission
- Broadcast-grade Serial Digital Interface (SDI)
- Analog/digital video
- MATV
- CATV
- CCTV†
- Drop cable
- HDTV

CATALOG NUMBER	AWG SIZE NOM. DCR	O.D.		SHIELD COVERAGE NOM SHLD DCR	NOMINAL O.D.		NOMINAL CAPACITANCE		VELOCITY OF PROPAGATION, %	NOMINAL IMPEDANCE, Ω	NOMINAL ATTENUATION	
		in	mm		in	mm	pF/ft	pF/m			MHz	dB/100'
395058† RG 11/U Type UL CM, CL2 c(UL) CMG 	14 Ga. Solid Bare Copper 2.6 Ω/Mft.	Foam PE		95% Bare Copper Braid 1.2 Ω/Mft.	Flame-Retardant PVC		16.20	52.50	83	75	1	0.17
		0.280	7.11		0.400	10.16					10	0.35
											50	0.90
											100	1.30
											200	1.90
											400	2.90
											540	3.37
											1000	4.59
											2250	6.88
											3000	7.94

Data subject to change.

RG 58/U Type

Product Construction:

Conductors:

- Copper per ASTM B3
- Tinned copper per ASTM B33

Insulation/Core:

- Solid and foam polyethylene (PE)
- Foam fluoropolymer (FEP)

Shield:

- Tinned copper braid

Jacket:






- Premium PVC compound

Packaging:

- Please contact Customer Service for packaging and color options

Applications:

- Suitable for RF signal transmission
- Broadcast
- LAN & data transmission

CATALOG NUMBER	AWG SIZE NOM. DCR	INSULATION O.D.		SHIELD COVERAGE NOM SHLD DCR	NOMINAL O.D.		NOMINAL CAPACITANCE		VELOCITY OF PROPAGATION, %	NOMINAL IMPEDANCE, Ω	NOMINAL ATTENUATION				
		in	mm		in	mm	pF/ft	pF/m			MHz	dB/100'			
RG 58 C/U Type MIL-C-17G Type 	20 Ga. (19/0071) Tinned Copper 10.8 Ω/Mft.	Solid PE		95% Tinned Copper Braid 4.3 Ω/Mft.	Non-Contaminating PVC		30.80	101.05	66	50	1	0.42			
		0.116	2.95		0.195	4.95					10	1.50	50	3.70	100
RG 58/U Type JAN-C-17A Type 	20 Ga. Solid Bare Copper 10.1 Ω/Mft.	Solid PE		95% Tinned Copper Braid 4.3 Ω/Mft.	PVC		30.00	98.43	66	50	1	0.40			
		0.116	2.95		0.195	4.95					10	1.20	50	2.90	100
RG 58 A/U Type UL CL2, CM CSA CMG 	20 Ga. (19/32) Tinned Copper 9.5 Ω/Mft.	Foam PE		95% Tinned Copper Braid 4.3 Ω/Mft.	PVC		26.00	85.31	78	50	1	0.45			
		0.114	2.90		0.195	4.95					10	1.42	50	3.20	100
RG 58/U Type Plenum UL CL2P, CMP c(UL) CMP 	19 Ga. Solid Bare Copper 8.1 Ω/Mft.	Fluoropolymer		95% Tinned Copper Braid 5.5 Ω/Mft.	Flexguard® PVC		25.00	82.00	80	53	1	0.40			
		0.102	2.59		0.157	3.99					10	1.30	50	2.80	100
C1178A RG 58A/U Type JAN-C-17A Type 	20 Ga. (19/0071) Tinner Copper 10.8 Ω/Mft.	Solid PE		95% Tinned Copper Braid 4.3 Ω/Mft.	Black PVC		30.00	98.43	66	50	1	0.42			
		0.116	2.95		0.195	4.95					10	1.50	50	3.70	100

Data subject to change.

RG 59/U Serial Digital Interface Cable

75 Ohm High-End Coaxial Cables for Video, Analog & Digital Applications

Product Construction:

Conductors:

- Copper per ASTM B3

Insulation/Core:

- Foam fluoropolymer (FEP)

Shield:

- Bare copper braid

Jacket:


- Premium PVC compound

Packaging:

- Please contact Customer Service for packaging and color options

Applications:

- Suitable for RF signal transmission
- Broadcast-grade
- MATV
- CATV
- Precision video-analog/digital
- Serial digital interface cable (SDI)

CATALOG NUMBER	AWG SIZE NOM. DCR	INSULATION O.D.		SHIELD COVERAGE NOM SHLD DCR	NOMINAL O.D.		NOMINAL CAPACITANCE		VELOCITY OF PROPAGATION, %	NOMINAL IMPEDANCE, Ω	NOMINAL ATTENUATION		
		in	mm		in	mm	pF/ft	pF/m			MHz	dB/100'	
495028† RG 59/U Type UL CMP c(UL) CMP 	20 Ga. Solid Bare Copper 10.5 Ω/Mft.	Fluoropolymer		95% Bare Copper Braid Shield 2.7 Ω/Mft.	Flexguard® PVC		16.00	52.50	84	75	1	0.24	
		0.139	3.43		0.196	4.97					10	1.41	50

Data subject to change.

RG 213/U Type

Product Construction:

- Conductors:**
 · Copper per ASTM B3
- Insulation/Core:**
 · Solid polyethylene (PE)

Shield:

- Bare copper braid

Jacket:


- Premium non-contaminating black PVC

Packaging:

- Please contact Customer Service for packaging and color options

Applications:

- Suitable for RF signal transmission

CATALOG NUMBER	AWG SIZE NOM. DCR	INSULATION MATERIAL		SHIELD COVERAGE NOM SHLD DCR	NOMINAL O.D.		NOMINAL CAPACITANCE		VELOCITY OF PROPAGATION, %	NOMINAL IMPEDANCE, Ω	NOMINAL ATTENUATION				
		in	mm		in	mm	pF/ft	pF/m			MHz	dB/100'			
C1176A RG 213/U Type MIL-C-17G Type 1354 	13 Ga. (7/21) Bare Copper 1.7 Ω/Mft.	Solid PE		95% Bare Copper Braid 1.2 Ω/Mft.	PVC		30.80	101.05	66	50	1	0.18			
		0.285	7.24		0.405	10.29					10	0.62	50	1.50	100

Data subject to change.

Specialty Cable

8



Prysmian offers a variety of Gepco® and 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.

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Multi-Conductor, Flexfoil® Shield



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

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

Speaker Wire

UL Listed or AWM Style 1007

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	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
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Data subject to change.

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 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



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

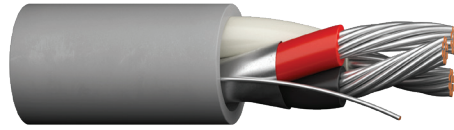
C1356	2	24	7/32	0.016	0.41	0.058x0.117	1.47x2.79
C1362	2	22	7/30	0.020	0.51	0.070x0.145	1.77x3.68
C1360	2	20	10/30	0.020	0.51	0.085x0.160	2.16x4.06
C1357	2	18	16/30	0.020	0.51	0.083x0.181	2.11x4.60
C1358	2	16	26/30	0.020	0.51	0.105x0.210	2.67x5.33
C1361	2	14	41/30	0.025	0.64	0.125x0.235	3.18x5.69
C1363	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

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

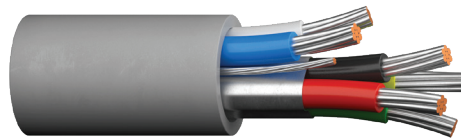
CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. CAP.*	
				in	mm	in	mm	in	mm	A	B
UL Style 2093, 300 VOLT											
C1333A	3	2-20 Shielded 1-20 Unshielded	7/28	0.016	0.41	0.028	0.71	0.206	5.23	26.0	47.0

*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:

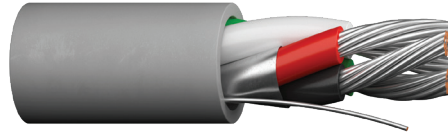
- Audio
- Communications
- EMI isolated circuits for instrumentation

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.* pF/ft	
				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
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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
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*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

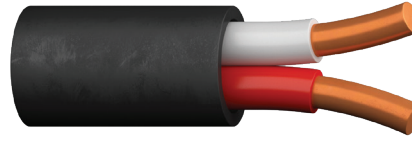
Irrigation & Landscape Lighting

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

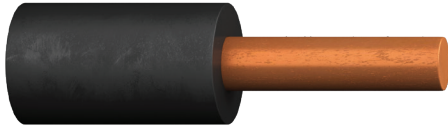


ISOTEC PART NUMBER	NO. OF COND.	AWG/ STRANDING	INSULATION THICKNESS & TYPE	JACKET THICKNESS & TYPE	NOMINAL O.D. INCHES
C6061A	Individually Shld. 3 PR w/20 AWG Stranded T.C. Drain	10/30 Tinned Copper	.013" Polypropylene	.047" Polyethylene	.340

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:

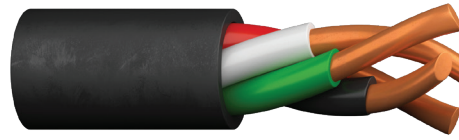
- 250'
- 500'
- 1000'

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:

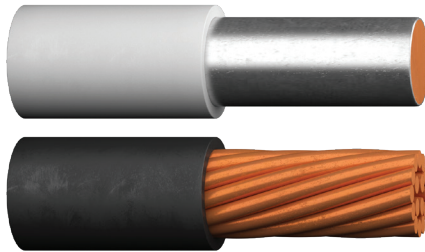
- See tabular data above
- Please contact Customer Service for packaging and color options

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		

Hook-Up Wire

9



Most applications of hook-up and lead wire for board-to-board or point-to-point wiring rely on PVC-insulated designs.

Prysmian's CAROL® Brand products offer both electrical and electronic designers a vast array of quality PVC hook-up wire to meet the specific technical demands of today, with "off-the-shelf" distributor inventoried products.

Hook-up wire is also available in special colors and/or stripe combinations with a minimum of lead time. In addition, Prysmian offers a variety of put-ups to meet individual customer requirements.

Section	Page
UL 1007, UL 1569, CSA TR-64	88
Rubber/PVC/Polyethylene	89

UL 1007, UL 1569, CSA TR-64

Product Construction:

Conductor:

- 24 thru 16 AWG
- Fully annealed tinned copper per ASTM B33
- Solid or stranded

Insulation:

- Premium-grade, color-coded PVC
- Temperature range: -20°C to +105°C
- Color code: See chart below

Applications:

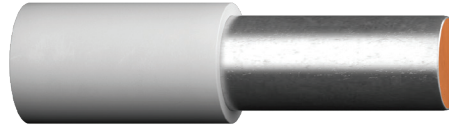
- Internal wiring of electrical and electronic equipment
- Internal wiring of panels and meters
- Point-to-point wiring
- Suggested voltage rating: 300 volts

Compliances:

- UL Style 1007 (UL: 80°C, 300 V)
- CSA TR-64: 90°C, 300 V
- RoHS Compliant Directive 2015/863/EU (RoHS-3)
- Designed to meet UL VW-1 Vertical Wire Flame Test

Packaging:

- Please contact Customer Service for packaging and color options



CATALOG NUMBER	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOMINAL O.D.	
			in	mm	in	mm
SOLID CONDUCTORS						
C2003A	24	Solid	0.016	0.41	0.052	1.32
C2004A	22	Solid	0.016	0.41	0.057	1.45
C2028A	20	Solid	0.016	0.41	0.064	1.63
C2052A	18	Solid	0.016	0.41	0.072	1.83
C2053A	16	Solid	0.016	0.41	0.083	2.11
STRANDED CONDUCTORS						
C2015A	24	7/32	0.016	0.41	0.056	1.42
C2016A	22	7/30	0.016	0.41	0.062	1.57
C2040A	20	10/30	0.016	0.41	0.070	1.78
C2064A	18	16/30	0.016	0.41	0.080	2.03
C2065A	16	26/30	0.016	0.41	0.092	2.34

Data subject to change.

COLOR CODE CHART

ORDERING SUFFIX	COLOR	ORDERING SUFFIX	COLOR
01	Black	06	Green
02	White	07	Blue
03	Red	08	Brown
04	Orange	10	Gray
05	Yellow	19	Purple

Striped combinations available upon request; consult Customer Service.



Underwriters Laboratories Inc.



Rubber/PVC/Polyethylene

Product Construction:

Conductor:

- 20, 18 and 14 AWG fully annealed stranded tinned copper per ASTM B33

Insulation:

- Premium-grade, color-coded rubber, PVC or polyethylene
- Temperature range:
 - 40°C to +90°C rubber
 - 30°C to +105°C PVC
 - 60°C to +80°C polyethylene
- Color code: See chart below

Applications:

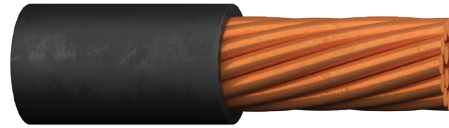
- Test equipment
- Oscilloscopes

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		BREAKDOWN VOLTAGE (AC, rms)	WORKING VOLTAGE*	NOMINAL O.D.	
				in	mm			in	mm

RUBBER TEST LEAD

C1326	1	20	41/36	0.040	1.02	6,000V	1,500V	0.125	3.18
C1319	1	20	41/36	0.047	1.19	12,000V	3,000V	0.140	3.56
C1321	1	18	65/36	0.045	1.14	20,000V	5,000V	0.145	3.68
C1318	1	18	65/36	0.088	2.24	29,000V	10,000V	0.230	5.84

PVC TEST LEAD

C1320A	1	18	65/36	0.047	1.19	20,000V	5,000V	0.140	3.56
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POLYETHYLENE TEST LEAD

C7108A	1	14	105/34	0.032	0.81	4,000V	600V	0.140	3.56
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*For intermittent duty only.
Data subject to change.

COLOR CODE CHART

ORDERING SUFFIX	COLOR
01	Black
03	Red
06	Green

Technical Information

10

As technology becomes more complex, specifying wire and cable products to meet system performance demands becomes more time-consuming and complex.

Today's system designer must be aware not only of the general transmission line types, but also of the myriad of materials available to meet specific environmental or electrical performance criteria.

This technical section is presented to aid in the selection of materials and designs which will best suit the combination of hardware and transmission media.

For technical questions regarding specific transmission designs or applications, please contact Prysmian's Engineering Department.

Section	Page
Multi-Conductor Cable Product Finder	91-96

Multi-Conductor Cable Product Finder

NO. COND.	STRAND TYPE	AWG 24		AWG 22		AWG 20		AWG 18		AWG 16		AWG 14		AWG 12	
		P/N	SHIELD PAGE	P/N	SHIELD PAGE	P/N	SHIELD PAGE	P/N	SHIELD PAGE	P/N	SHIELD PAGE	P/N	SHIELD PAGE	P/N	SHIELD PAGE
2	Solid			C2515A F15 C4167A F19 C2676A B25 E1482S U81 E2482S F83 E3482S U-P85 E3542S F-P88 E1000S U89, 98 E2000S F90, 99 E3000S U-P 86, 100 E2100S F-P . 87, 101		C4311A U2		C3110 U-P9 C3060 F-P18 E2402S U81 E1502S U81 C4304A U82 E2502S F83 C4334A F84 E3502S U-P85 E3602S F-P88 C0471 U91 C0472 F92 C3240 U-P93 C3167 F-P94 E1030S U89, 98 E2030S F90, 99 E3030S U-P 86, 100 E2200S F-P . 87, 101		C2404S U81 E1512S U81 C4321A U82 E2522S F83 C4344A F84 E3512S U-P85 E3612S F-P88 C0473 U91 C0474 F92 C3241 U-P93 C3169 F-P94		E2406S U81 E1522S U81 C4324A U82 E2532S F83 C4347A F84 E3522S U-P85 E3622S F-P88 C0491 U91 C0475 F92 C3244 U-P93 C3172 F-P94		E1532S U81 C4327A U82 E2542S F83 C4348A F84 E3532S U-P85 E3632S F-P88 C0492 U91 C0476 F92 C3246 U-P93 C3174 F-P94	
	Stranded	C2461A U 4 C2513A F15 C4152A F19 C4216A F21 C0740A F 45	C6348A U5 C3105 U-P8 C3115 U-P9 C4100A U12 C0431A U14 C2514A F15 C2516A F15 C2518A F16 C2520A F16 C3158 F-P18 C4153A F19 C4168A F19 C4192A F20 C4210A F20 C0450A F23 C2882A S24 C2677A B25 C2679A B27 C6700A U13 E1002S U89, 98 E2002S F89, 99 E3002S U-P 86, 100 E2102S F-P . 87, 101 C6892A F22 C6810A F22	C6351A U6 C4117A U10 C0433A U14 C2524A F15 C2540A F15 C2519A F16 C4154A F19 C4166A F20 C4211A F20 C0452A F23 C2888A S24 C1642A B26 C2681A B27 C3602 U-R29 C1302 B-R30 C6717A U13 C0780A F46 E1022S U89, 98 E2022S F90, 99 E3022S U-P 86, 100 E2122S F-P . 87, 101 C6866A F22 C6811A F22	C2830A U6 C3102 U-P8 C3112 U-P9 C4125A U10 C4214A U10 C0435A U14 C2534A F15 C2521A F16 C3062 F-P18 C4155A F19 C4197A F20 C4212A F20 C0454A F23 C2892A S24 C2686A B27 C1202 B-C31, 138 C6714A U13 E1032S U89, 98 E2032S F90, 99 E3032S U-P 86, 100 E2202S F-P . 87, 101 C6897A F22 C6812A F22	C2405A U7 C3193 U-P8 C3127 U-P9 C4135A U11 C0437A U14 C2536A F15 C3169 F-P94 C3068 F-P18 C4162A F19 C4199A F20 C4213A F20 C0456A F23 C2895A S24 C2689A B27 C1602 B-C31, 138 C6735A U13 E1042S U89, 98 E2042S F90, 99 E3042S U-P 86, 100 E2242S F-P . 87, 101 C6899A F22 C6813A F22	C2409A U7 C3126 U-P8 C3128 U-P9 C4146A U11 C0439A U14 C2538A F15 C4163A F19 C4201A F20 C4215A F20 C0458A F23 C6746A U13 E1052S U89, 98 E2052S F90, 99 E3052S U-P 86, 100 E2252S F-P . 87, 101 C6801A F22 C6815A F22	C2410A U7 C3135 U-P8 C3129 U-P9 C4150A U11 C0441A U14 C2539A F15 C4164A F19 C4202A F20 C0460A F23 E1062S U89, 98 E2062S F90, 99 E3062S U-P 86, 100 E2262S F-P . 87, 101							
3	Solid						C3114 U-P9 E1503S U81 C4305A U82 E2503S F83 C4335A F84 E3503S U-P85 E3603S F-P88		C4322A U82 C4345A F84		C4325A U82				
	Stranded	C2462A U 4 C4217A F21 C0741A F 45 C0951A FB 47 C0680A FB 49	C4062A U5 C4101A U12 C0432A U14 C2526A F15 C2517A F15 C4156A F19 C4169A F19 C4193A F20 C0451A F23 C1335A S24 C2678A B27 C6701A U13 C0761A F46 C0971A FB48 E1003S U89, 98 E2003S F90, 99 E3003S U-P 86, 100 E2103S F-P . 87, 101 C6893A F22	C6352A U6 C4118A U10 C0434A U14 C2528A F15 C2525A F15 C4157A F19 C4158A F19 C4195A F20 C0453A F23 C1643A B26 C1332A B27 C3603 U-R29 C1304 B-R30 C0781A F46 E1023S U89, 98 E2023S F90, 99 E3023S U-P 86, 100 E2123S F-P . 87, 101	C2831A U6 C3190 U-P8 C3120 U-P9 C4126A U10 C0436A U14 C2535A F15 C3064 F-P18 C4159A F19 C4198A F20 C0455A F23 C2768A S24 C2687A B27 C1203 B-C31 C6726A U13 E1033S U89, 98 E2033S F90, 99 E3033S U-P 86, 100 E2203S F-P . 87, 101 C6898A F22	C2406A U7 C3194 U-P8 C4136A U11 C0438A U14 C4200A F20 C0457A F23 C1603 B-C31 C6736A U13 E1043S U89, 98 E2043S F90, 99 E3043S U-P 86, 100 E2243S F-P . 87, 101 C6800A F22	C0440A U14 C0459A F23								

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		P/N	SHIELD PAGE	P/N	SHIELD PAGE	P/N	SHIELD PAGE	P/N	SHIELD PAGE	P/N	SHIELD PAGE	P/N	SHIELD PAGE	P/N	SHIELD PAGE
4	Solid			E1484S U 81 E2484S F 83 E3484S U-P 85 E1001S U 89, 98 E3001S U-P 86, 100				C3111 U-P 9 C3061 F-P 18 E1504S U 81 C4306A U 82 E2504S F 83 C4336A F 84 E3504S U-P 85 E3604S F-P 88 C0485 U 91 C0494 F 92 C3242 U-P 93 C3170 F-P 94	E1514S U 81 C4323A U 82 E2524S F 83 C4346A F 84 E3514S U-P 85 E3614S F-P 88 C0486 U 91 C0495 F 92 C3243 U-P 93 C3171 F-P 94	E1524S U 81 C4326A U 82 E2534S F 83 E3524S U-P 85 E3624S F-P 88 C0496 F 92 C3245 U-P 93 C3173 F-P 94	E1534S U 81 E2544S F 83 E3534S U-P 85 E3634S F-P 88 C0497 F 92 C3247 U-P 93 C3175 F-P 94				
	Stranded	C2463A U 4 C4218A F 21 C0742A F 45 C0952A FB 47 C0681A FB 49	C3159 F-P 18 C4160A F 19 C4194A F 20 C1337A S 24 C2680A B 27 C6702A U 13 C0762A F 46 C0972A FB 48 E1004S U 89, 98 E2004S F 90, 99 E3004S U-P 86, 100 E2104S F-P . 87, 101 C4063A U 5 C3106 U-P 8 C3116 U-P 9 C4102A U 12 C2523A F 15 C6894A F 22	C6353A U 6 C4119A U 10 C2555A F 15 C4161A F 19 C4196A F 20 C1644A B 26 C2683A B 27 C3604 U-R 29 C1305 B-R 30 C6718A U 13 C0782A F 46 E1024S U 89, 98 E2024S F 90, 99 E3024S U-P 86, 100 E2124S F-P . 87, 101 C6896A F 22	C2404A U 6 C3103 U-P 9 C3113 U-P 10 C4127A U 11 C0444A U 15 C2543A F 18 C8114 F-P 19 C3063 F-P 20 C4204A F 22 C2688A B 29 C8110 FB-P 32 C6727A U 14 E1034S U 91, 100 E2034S F 92, 101 E3034S U-P 88, 102 E2204S F-P 89, 103 C6804A F 24	C2425A U 7 C3195 U-P 8 C4137A U 11 C1604 B-C 31 C6737A U 13 E1044S U 89, 98 E2044S F 90, 99 E3044S U-P 86, 100 E2244S F-P . 87, 101 C6837A F 22	C2430A U 7 C4147A U 11 C6747A U 13 E1054S U 89, 98 E2054S F 90, 99 E3054S U-P 86, 100 E2254S F-P . 87, 101	C2440A U 7 C4151A U 11 E1064S U 89, 98 E2064S F 90, 99 E3064S U-P 86, 100 E2264S F-P . 87, 101							
5	Solid						C3117 U-P 9 E1505S U 81 C4307A U 82 C4337A F 84	C4349A U 82 C4350A F 84							
	Stranded	C2464A U 4 C4219A F 21 C0753A F 45 C0953A FB 47 C0682A FB 49	C4064A U 5 C4103A U 12 C0973A FB 48	C6355A U 6 C4120A U 10 C1645A B 26	C2420A U 6 C3134 U-P 8 C3125 U-P 9 C4128A U 10	C2434A U 7 C4138A U 11	C2437A U 7 C4148A U 11								
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	Stranded	C2466A U 4 C4220A F 21 C0743A F 46 C0954A FB 47 C0683A FB 49	C4066A U 5 C4104A U 12 C4207A F 20 C1341A S 24 C6704A U 13 C0763A F 46 C0974A FB 48 E1006S U 89, 98 E2006S F 90, 99 E3006S U-P 86, 100 E2106S F-P . 87, 101 C6807A F 22	C1646A B 26 C4120A U 29 C1310 B-R 30 C0783A F 46	C3192 U-P 8 C3121 U-P 9 C4206A U 10 C3065 F-P 18 C4205A F 20 C1206 B-C 31 C6706A U 13 E1036S U 89, 98 E2036S F 90, 99 E3036S U-P 86, 100 E2206S F-P . 87, 101 C6805A F 22										
7	Solid					C4309A U 82 C4339A F 84									
	Stranded	C2488A U 4 C4221A F 21 C0754A F 45 C0955A FB 47 C0684A FB 49	C4088A U 5 C4105A U 12 C0975A FB 48	C6356A U 6 C4121A U 10 C3607 U-R 29 C1312 B-R 30	C2421A U 6 C4129A U 10	C2426A U 7 C4139A U 11	C2431A U 7 C4149A U 11								

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		P/N	SHIELD PAGE	P/N	SHIELD PAGE	P/N	SHIELD PAGE	P/N	SHIELD PAGE	P/N	SHIELD PAGE	P/N	SHIELD PAGE	P/N	SHIELD PAGE
8	Solid								C3119 U-P.....9 E1508S U.....81 C4310A U.....82 E2508S F.....83 C4340A F.....84						
	Stranded	C2465A U.....4 C4222A F.....21 C0744A F.....45 C0956A FB.....47 C0685A FB.....49	C4065A U.....5 C4106A U.....12 C4208A F.....20 C0764A F.....46 C0976A FB.....48 E1008S U.....89,98 E2008S F.....90,99 E3008S U-P 86,100 E2108S F-P.. 87,101	C1648A FB.....28 C3608 U-R.....29 C1313 B-R.....30 C0784A F.....46	C3191 U-P.....8 C3122 U-P.....9	C2443A U.....7 C4140A U.....11									
9	Solid								C4312A U.....82 C4341A F.....84						
	Stranded	C2470A U.....4 C4223A F.....21 C0755A F.....45 C0957A FB.....47 C0686A FB.....49	C4070A U.....5 C4107A U.....12 C0977A FB.....48	C6357A U.....6 C4122A U.....10	C2422A U.....6 C4130A U.....10	C2435A U.....7 C4141A U.....11									
10	Solid								C4313A U.....82 C4342A F.....84						
	Stranded	C2471A U.....4 C4224A F.....21 C0745A F.....45 C0958A FB.....47 C0687A FB.....49	C4071A U.....5 C4108A U.....12 C0765A F.....46 C0978A FB.....48 E1010S U.....89,98 E2010S F.....90,99 E3010S U-P 86,100 E2110S F-P.. 87,101	C3610 U-R.....29 C0785A F.....46	C3178 U-P.....8 C3123 U-P.....9	C3183 F-P.....18 E1040S U.....89,98 E2040S F.....90,99									
11	Solid								C4314A U.....82						
12	Stranded	C2467A U.....4	C4067A U.....5 C4109A U.....12 E1012S U.....89,98 E2012S F.....90,99 E3012S U-P 86,100 E2112S F-P.. 87,101	C6360A U.....6 C4123A U.....10	C2412A U.....6 C3179 U-P.....8 C3124 U-P.....9 C4131A U.....10	C2427A U.....7 C4142A U.....11									
15	Solid		C4301A U.....82												
	Stranded	C2473A U.....4 C4225A F.....21 C0746A F.....45 C0959A FB.....47 C0688A FB.....49	C4073A U.....5 C4110A U.....12 C0766A F.....46 C0979A FB.....48 C4111A U.....12	C6358A U.....6 C4124A U.....10 C0786A F.....46	C2423A U.....6 C4132A U.....10	C2428A U.....7 C4143A U.....11									
19	Solid								C2424A U.....6						
	Stranded								C4133A U.....10	C2429A U.....7 C4144A U.....11					
20	Solid		C4302A U.....82						C4316A U.....82						
	Stranded	C4226A F.....21 C0747A F.....45 C0960A FB.....47	C4075A U.....5 C4112A U.....12 C0767A F.....46 C0980A FB.....48												
21	Solid								C4317A U.....82						
25	Stranded	C4227A F.....21 C0748A F.....45 C0961A FB.....47	C4076A U.....5 C4113A U.....12 C0768A F.....46 C0981A FB.....48	C0787A F.....46 C0788A F.....46	C2433A U.....6 C4134A U.....10	C2436A U.....7 C4145A U.....11									
27	Solid														
30	Solid								C4318A U.....82 C4343A F.....84						
	Stranded	C4228A F.....21 C0749A F.....45	C4077A U.....5 C4114A U.....12												
40	Solid														
	Stranded	C4229A F.....21 C0750A F.....45	C4078A U.....5 C4115A U.....12												
50	Solid														
	Stranded	C4230A F.....21 C0751A F.....45	C4079A U.....5 C4116A U.....12												



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NO. PAIR	STRAND TYPE	AWG 28		AWG 24		AWG 22		AWG 20		AWG 18	
		P/N SHIELD	PAGE	P/N SHIELD	PAGE	P/N SHIELD	PAGE	P/N SHIELD	PAGE	P/N SHIELD	PAGE
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				C4209A F.....	38	C3204 F-P.....	37				
				C4191A F.....	38	C4183A F.....	39				
				C0600A F.....	50	C7112A F.....	43				
				C0841A FB.....	53	C0720A F.....	50				
2	SOLID					C4010A U.....	34				
	STRANDED			C3150 F-P.....	37	C6010A U.....	34	C7106A I.....	40	C6118A U.....	35
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				C0901A F.....	51					C6047A I.....	56
				C0621A FB.....	52	C0571A I.....	42				
				C0843A FB.....	53	C0551A F.....	43				
				C0830A FB.....	54	C7116A F.....	43				
				C0516A FB.....	55	C0722A F.....	50				
				C06065A I.....	56	C0651A FB.....	52				
				C0911A I.....	57	C6040A I.....	56				
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				C0893A F.....	51	C0572A I.....	42				
				C0622A FB.....	52	C0552A F.....	43				
				C0844A FB.....	53	C0723A F.....	50				
				C0831A FB.....	54	C0652A FB.....	52				
				C0517A FB.....	55						
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				C0894A F.....	51	C0653A FB.....	52				
				C0623A FB.....	52						
				C0832A FB.....	54						
				C0518A FB.....	55						

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		P/N SHIELD	PAGE	P/N SHIELD	PAGE	P/N SHIELD	PAGE	P/N SHIELD	PAGE	P/N SHIELD	PAGE
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7	Solid										
	Stranded			C4176A F 38 C0606A F 50 C0625A FB 52 C0833A FB 54 C0520A FB 55		C0655A FB 52					
8	Solid										
	Stranded			C4177A F 38 C0607A F 50 C0626A FB 52 C0521A FB 55		C0656A FB 52				C6121A U 35	
9	Solid					C1672A F 36					
	Stranded			C4178A F 38 C0608A F 50 C0896A F 51 C0607A I 56 C0914A I 57		C6019A U 34 C4189A F 39 C0574A I 42 C0554A F 43 C0726A F 50 C6042A I 56		C6054A I 56		C6109A U 35 C0588A I 42 C0564A F 43 C6049A I 56	
10	Solid										
	Stranded			C4179A F 38 C0609A F 50 C0628A FB 52 C0835A FB 54 C0522A FB 55		C0658A FB 52					
11	Solid										
	Stranded			C0915A I 57		C0575A I 42 C0555A F 43 C6043A I 56				C0589A I 42	
12	Solid										
	Stranded			C0836A FB 54 C0916A I 57		C6023A U 34 C6059A I 56		C6056A I 56		C6050A I 56	
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	Stranded			C4180A F 38 C0610A F 50 C0524A FB 55 C0917A I 57		C6026A U 34 C4190A F 39 C0556A F 43 C0728A F 50 C6044A I 56		C6058A I 56		C6111A U 35 C0590A I 42 C0566A F 43 C6051A I 56	

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		P/N SHIELD	PAGE	P/N SHIELD	PAGE	P/N SHIELD	PAGE	P/N SHIELD	PAGE	P/N SHIELD	PAGE
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	Stranded			C0525A FB.....	55						
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				C0611A F.....	50	C6045A I.....	56				
25	Solid										
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				C0612A F.....	50						
				C0526A FB.....	55						
27	Solid										
	Stranded					C0730A F.....	50				
						C6046A I.....	56				
51	Solid										
	Stranded										

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	MIL-W-1678	30
	MIL-C-17G	131, 137, 139
	MIL-C-17D	133
	JAN-C-17A	127-128, 131, 137

PUT-UPS

CODE	PACKAGING
R5/15	250' Spool
R8/18	500' Spool
21	1000' Spool
30	1000' Spoolless Pull-Pac® Carton
35	250' Reel
38	500' Reel
41	1000' Reel
44	2500' Reel
46	5000' Reel
85	250' Coil
99	Factory Reel
A3	Spool-Pac® 1000'

JACKET COLOR CODE CHART

CODE	COLOR	CODE	COLOR	CODE	COLOR
1	Black	6	Green	16	Light BLue
2	White	7	Dark Blue	19	Purple
3	Red	8	Brown	77	White/Black/Blue
4	Orange	10	Grey		
5	Yellow	13	Pink		

Notes

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