

RG 59/U Type

Product Construction:

Conductors:

- Copper-clad steel per ASTM B-869

Insulation/Core:

- Foam polyethylene (PE) design

Shield:

- Aluminum braid
- Flexfoil® shield

Jacket:





- Premium PVC compound

Packaging:

- Please contact Customer Service for packaging and color options

Applications:

- Suitable for RF signal transmission
- CATV
- MATV
- Drop cable
- Local Area Network
- Monitor/VDT display
- See Coax Connector Cross Reference, pages 192-199

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	
		INCHES	mm		INCHES	mm	pF/ft	pF/m			MHz	dB/100'
C5770 RG 59/U Type UL CL2, CATV, CM CSA CMG 1354 	22 Ga. Solid Copper-Clad Steel 73.4 Ω/Mft.	Foam PE		100% Flexfoil® Bonded + 40% Aluminum Braid 11.0 Ω/Mft.	Black PVC		16.00	52.50	78	80	1	0.50
		0.144	3.66		0.231	5.87					10	1.00
C5780 RG 59/U Type MATV UL CL2, CATV, CM CSA CMG 1354 	20 Ga. Solid Copper-Clad Steel 45.9 Ω/Mft.	Foam PE		100% Flexfoil® Bonded + 40% Aluminum Braid 11.0 Ω/Mft.	Black PVC		16.20	53.15	85	75	1	0.60
		0.144	3.66		0.234	5.94					10	1.20
C5830 RG 59/U Type Tri-Shield UL CL2, CATV, CM c(UL) CM 	20 Ga. Solid Copper-Clad Steel 45.9 Ω/Mft.	Foam PE		100% Flexfoil® Bonded + 95% Aluminum Braid + 100% Flexfoil® 3.0 Ω/Mft.	Black PVC		16.20	53.15	85	75	1	0.60
		0.144	3.66		0.242	6.15					10	1.20
C5784 RG 59/U Type Quad-Shield UL CL2, CATV, CM CSA CMG 1354 	20 Ga. Solid Copper-Clad Steel 45.9 Ω/Mft.	Foam PE		100% Flexfoil® 1st Bonded (1) 67% (2) 46% Aluminum Braids 4.1 Ω/Mft.	Black PVC		16.20	53.15	85	75	1	0.60
		0.144	3.66		0.270	6.86					10	1.20

Multi-Conductor, Unshielded, Non-Plenum

NEC Type FPLR

Product Construction:

Conductor:

- 22 thru 12 AWG fully annealed solid bare copper per ASTM B-3

Insulation:

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

Jacket:

- Premium-grade, red PVC
- Suitable for use from -20°C to +75°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:

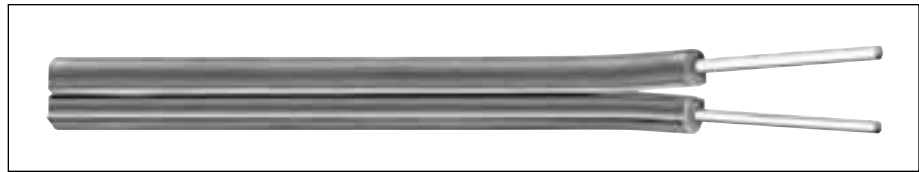
- NEC Article 760 Type FPLR (UL: 75°C, 300V)
- California State Fire Marshall Approved
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL 1666 Flame Test

Packaging:

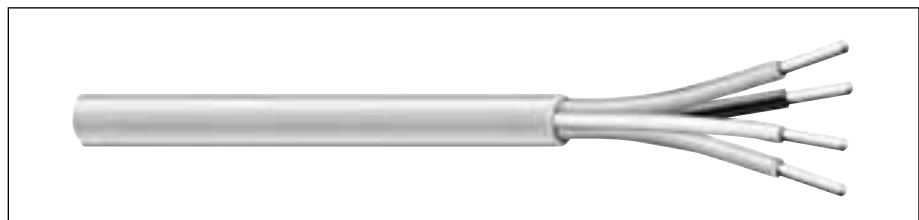
- Please contact Customer Service for packaging and color options

Color Code Chart

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

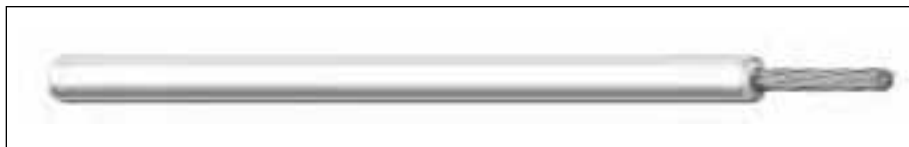


CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOMINAL O.D.	
				INCHES	mm	INCHES	mm
DUPLIX PARALLEL, RIBBED FOR POLARITY							
E2402S	2	18	Solid	0.032	0.81	0.105 x 0.210	2.67 x 5.33
E2404S	2	16	Solid	0.032	0.81	0.115 x 0.230	2.92 x 5.84
E2406S	2	14	Solid	0.032	0.81	0.126 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.	
				INCHES	mm	INCHES	mm	INCHES	mm
22 AWG CONDUCTORS									
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
18 AWG CONDUCTORS									
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
16 AWG CONDUCTORS									
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
14 AWG CONDUCTORS									
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
12 AWG CONDUCTORS									
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

UL 1007, UL 1569, CSA TR-64



Product Construction:

Conductor:

- 24 thru 16 AWG
- Fully annealed tinned copper per ASTM B-33
- 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 – 80°C, 300V
- UL Style 1569 – 105°C, 300V
- CSA TR-64 – 90°C, 300V
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL VW-1 Vertical Wire Flame Test

Packaging:

- Please contact Customer Service for packaging and color options

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

Color Code Chart

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

Striped combinations available upon request; consult Customer Service.



Designed to Meet
UL VW-1 Vertical
Wire Flame Test

Underwriters Laboratories Inc.



Multi-Conductor, Shielded, Non-Plenum

NEC Type FPLR

Product Construction:

Conductor:

- 22 thru 12 AWG fully annealed solid bare copper per ASTM B-3

Insulation:

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

Shield:

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

Jacket:

- Premium-grade, red PVC
- Temperature range: -20°C to +75°C
- Sequential footage markings to facilitate installation
- Includes ripcord

Applications:

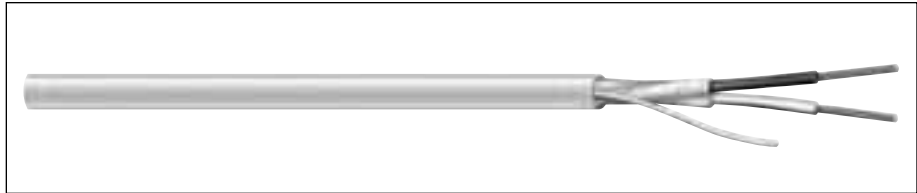
- Wiring of fire alarms
- Smoke alarms
- Voice communications
- Burglar alarms
- Fire protective circuits
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 760 Type FPLR (UL: 75°C, 300V)
- California State Fire Marshall Approved
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL 1666 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 WALL		NOMINAL O.D.	
				INCHES	mm	INCHES	mm	INCHES	mm

22 AWG CONDUCTORS

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

18 AWG CONDUCTORS

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

16 AWG CONDUCTORS

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

14 AWG CONDUCTORS

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

12 AWG CONDUCTORS

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

Color Code Chart

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

UL 1015, CSA TEW

Product Construction:

Conductor:

- 24 thru 10 AWG
- Fully annealed tinned copper per ASTM B-33
- Solid or stranded

Insulation:

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

Applications:

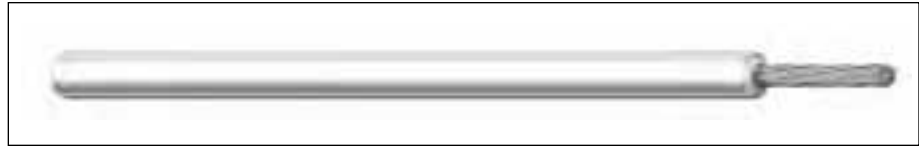
- Internal wiring of electrical and electronic equipment
- Internal wiring of panels and meters
- Point-to-point wiring
- Suggested voltage rating: 600 volts

Compliances:

- UL Style 1015 – 105°C, 600V
- CSA Type TEW
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL VW-1 Vertical Wire Flame Test

Packaging:

- Please contact Customer Service for packaging and color options



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

SOLID CONDUCTORS

C2117A	22	Solid	0.032	0.81	0.089	2.26
C2118A	20	Solid	0.032	0.81	0.096	2.44
C2119A	18	Solid	0.032	0.81	0.104	2.64

STRANDED CONDUCTORS

C2100A	24	7/32	0.032	0.81	0.088	2.24
C2101A	22	7/30	0.032	0.81	0.094	2.39
C2102A	20	10/30	0.032	0.81	0.102	2.59
C2103A	18	16/30	0.032	0.81	0.112	2.84
C2104A	16	26/30	0.032	0.81	0.124	3.15
C2105A	14	41/30	0.032	0.81	0.141	3.58
C2106A	12	65/30	0.032	0.81	0.160	4.06
C2107A	10	105/30	0.033	0.84	0.184	4.67

Color Code Chart

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

Striped combinations available upon request; consult Customer Service.

Multi-Conductor, Shielded, Riser

NEC Type CMR and/or CL3R

Product Construction:

Conductor:

- Stranded or solid bare copper per ASTM B-3, B-8 and B-286

Insulation:

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

Shield:

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

Jacket:

- Premium-grade, gray PVC
- Sequential footage markings to facilitate installation
- Temperature range: -20°C to +75°C
- Includes ripcord

Applications:

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

Compliances:

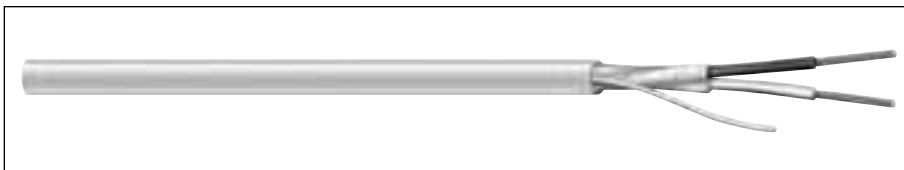
- NEC Article 725 Type CL3R (UL: 75°C, 150V)
- NEC Article 800 Type CMR (UL: 75°C, 300V)
- RoHS Compliant Directive 2002/95/EC
- California State Fire Marshall Approved

Packaging:

- Please contact Customer Service for packaging and color options

Color Code Chart

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



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET WALL		NOMINAL O.D.	
				INCHES	mm	INCHES	mm	INCHES	mm

22 AWG CONDUCTORS

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	0.015	0.38	0.238	6.05

20 AWG CONDUCTORS

E2022S	2	20	7/28	0.007	0.18	0.015	0.38	0.142	3.61
E2023S	3	20	7/28	0.008	0.20	0.015	0.38	0.151	3.84
E2024S	4	20	7/28	0.007	0.18	0.015	0.38	0.171	4.34

18 AWG CONDUCTORS

E2030S	2	18	Solid	0.009	0.20	0.015	0.38	0.147	3.73
E2032S	2	18	7/26	0.009	0.23	0.015	0.38	0.164	4.17
E2033S	3	18	7/26	0.009	0.23	0.015	0.38	0.172	4.37
E2034S	4	18	7/26	0.009	0.23	0.015	0.38	0.187	4.75
E2036S	6	18	7/26	0.008	0.20	0.015	0.38	0.230	5.54
E2038S	8	18	7/26	0.008	0.20	0.015	0.38	0.250	6.35
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

16 AWG CONDUCTORS

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

14 AWG CONDUCTORS

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

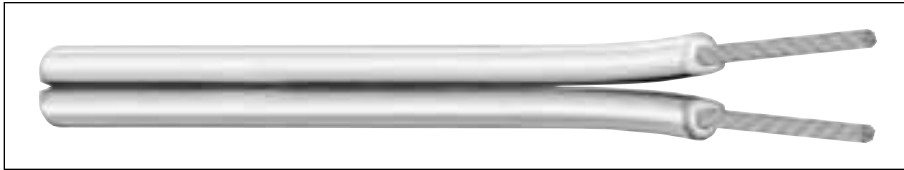
12 AWG CONDUCTORS

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 only

Speaker Wire

UL Listed or AWM Style 1007



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

Color Code Chart

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



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOMINAL O.D.	
				INCHES	mm	INCHES	mm
C7102A	2	18	77.0152	0.020	0.51	0.172	4.37

Color Code Chart

ORDERING SUFFIX	STOCK COLOR
99	Black-White

Product Construction:

Conductor:

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

Insulation/Jacket:

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

Applications:

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

Compliances:

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

Packaging:

- Please contact Customer Service for packaging and color options

Product Construction:

Conductor:

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

Insulation:

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

Applications:

- Audio systems
- Not for in-wall use

Compliances:

- UL Style 1007 (UL: 80°C, 900V)

Packaging:

- 1000' (305m) reels



Rubber/PVC/Polyethylene

Product Construction:

Conductor:

- 20, 18 and 14 AWG
- Fully annealed stranded tinned copper per ASTM B-33

Insulation:

- Premium-grade, color-coded rubber, PVC or polyethylene
- Temperature range:
 - 20°C to +60°C rubber
 - 25°C to +60°C PVC
 - 20°C to +80°C polyethylene
- Color code: See chart below

Applications:

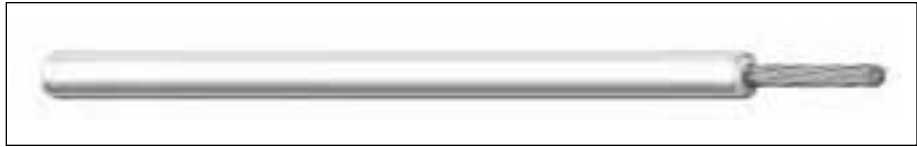
- Test equipment
- Oscillators

Compliances:

- RoHS Compliant Directive 2002/95/EC

Packaging:

- Please contact Customer Service for packaging and color options



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		BREAKDOWN VOLTAGE (AC, rms)	WORKING VOLTAGE*	NOMINAL O.D.	
				INCHES	mm			INCHES	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.

Color Code Chart

ORDERING SUFFIX	COLORS
01	Black
03	Red
06	Green

Multi-Conductor, Unshielded

UL 2464, UL 2576, NEC Type CM (UL) c(UL), CSA CMG

Product Construction:

Conductor:

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

Insulation:

- Premium-grade, color-coded S-R PVC per UL 1061
- Color code: See charts below

Jacket:

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

Applications:

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

Features:

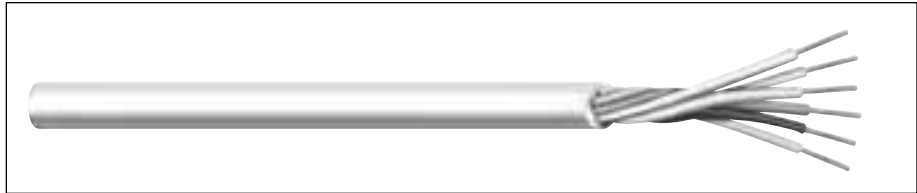
- Easy to terminate
- Excellent electrical properties
- Tinned conductors provide excellent corrosion resistance
- Assists soldering applications

Compliances:

- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2464 (UL: 80°C, 300V)
- UL Style 2576 (UL: 80°C, 150V)
- CSA CMG (CSA: 60°C)
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMG Flame Test

Packaging:

- Please contact Customer Service for packaging and color options



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

Color Code Chart 1 - For cables up to and including 12 conductors

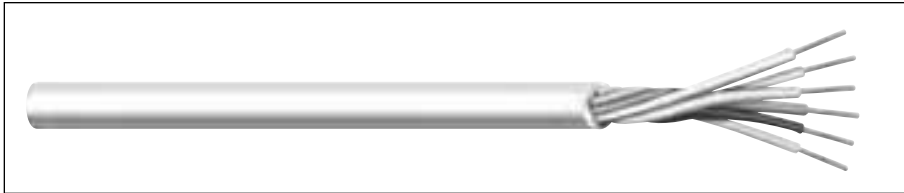
NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	7	Orange
2	White	8	Yellow
3	Red	9	Violet
4	Green	10	Gray
5	Brown	11	Pink
6	Blue	12	Tan

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

Multi-Conductor, Unshielded

UL 2464, UL 2576, NEC Type CM (UL) c(UL), CSA CMG



Product Construction:

Conductor:

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

Insulation:

- Premium-grade, color-coded S-R PVC per UL 1061
- Color code: See charts below

Jacket:

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

Applications:

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

Features:

- Easy to terminate
- Excellent electrical properties
- Tinned conductors provide excellent corrosion resistance
- Assists soldering applications

Compliances:

- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2464 (UL: 80°C, 300V)
- UL Style 2576 (UL: 80°C, 150V)
- CSA CMG (CSA 60°C)
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMG Flame Test

Packaging:

- Please contact Customer Service for packaging and color options

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		COLOR CODE	NOM. C-C CAP* pF/ft
				INCHES	mm	INCHES	mm	INCHES	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	0.189	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

†CM-CSA CMG Only

Color Code Chart 1 - For cables up to and including 12 conductors

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



Multi-Conductor, Unshielded

UL 2464, UL 2576, NEC Type CM (UL) c(UL), CSA CMG

Product Construction:

Conductor:

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

Insulation:

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

Jacket:

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

Applications:

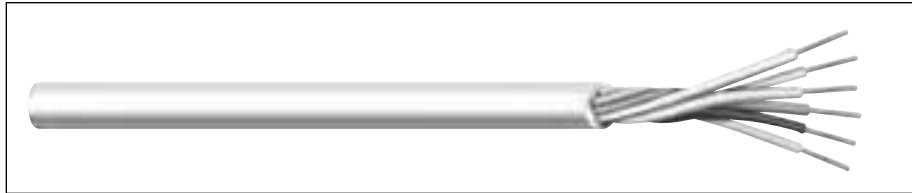
- Public address systems
- Intercoms
- Internal telephones
- Remote control circuits
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2464 (UL: 80°C, 300V)
- UL Style 2576 (UL: 80°C, 150V)
- CSA CMG (CSA: 60°C)
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMG Flame Test

Packaging:

- Please contact Customer Service for packaging and color options



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		COLOR CODE	NOM. C-C CAP.* pF/ft
				INCHES	mm	INCHES	mm	INCHES	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
†CM (UL) c(UL), CSA CMG Only

Color Code Chart 1 - For cables up to and including 9 conductors

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

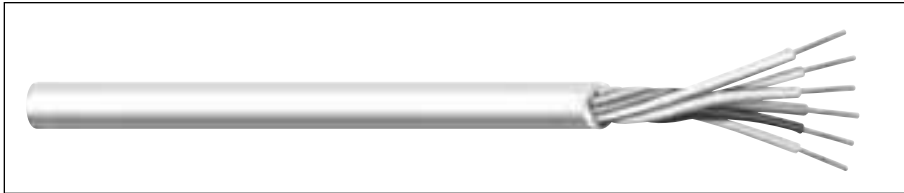
Color Code Chart 2 Per ICEA - For cables of 12 thru 25 conductors

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



Multi-Conductor, Unshielded

UL 2464, UL 2587, NEC Type CL3 and CM (UL) c(UL), CSA CMG



Product Construction:

Conductor:

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

Insulation:

- Premium-grade, color-coded PVC
- Color code: See chart 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 725 Type CL3 (UL: 75°C)
- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2464 (UL: 80°C, 300V)
- UL Style 2587 (UL: 90°C, 600V)
- CSA CMG (CSA: 60°C)
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMG Flame Test

Packaging:

- Please contact Customer Service for packaging and color options

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

NEC TYPE 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	0.030	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
†CL3, UL2587, CSA CMH Only

Color Code Chart Per ICEA

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



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 B-33

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

Features:

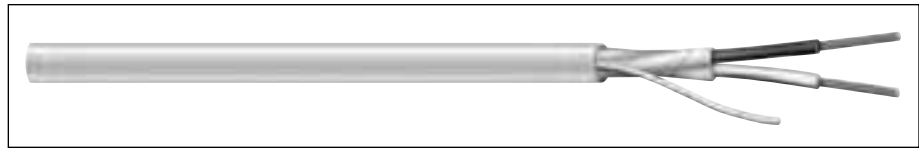
- Excellent electrical properties
- Superior shielding effectiveness
- 25% shield overlap provides excellent shielding efficiency
- Good flexibility

Compliances:

- UL Style 2092 (UL: 60°C, 300V)
- UL Style 2093 (UL: 60°C, 300V)
- UL Style 2094 (UL: 60°C, 300V)
- UL Style 2106 (UL: 60°C, 600V)
- UL Style 2107 (UL: 60°C, 600V)
- UL Style 2464 (UL: 80°C, 300V)
- NEC Article 725 Type CL2 (UL: 75°C)
- NEC Article 800 Type CM (UL: 75°C)
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- CSA CMH (CSA: 60°C)
- Passes CSA CMH 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***	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
UL STYLE 2092, CM (UL) C(UL) CMH, 300V											
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, 300V											
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, 300V											
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 2106, CSA, 600V											
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 2107, CM (UL) c(UL) CMH, 600V											
C2537A	3	16	19/.0117	0.031	0.79	0.032	0.81	0.325	8.26	19.0	34.0

Polyethylene Insulation, Color Code Chart #1

UL STYLE 2464, CL2/CM (UL) c(UL) CMH, 300V											
C2540A	2	20	7/28	0.013	0.33	0.032	0.81	0.194	4.9	49.7	89.5

PVC Insulation, Color Code Chart #2

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

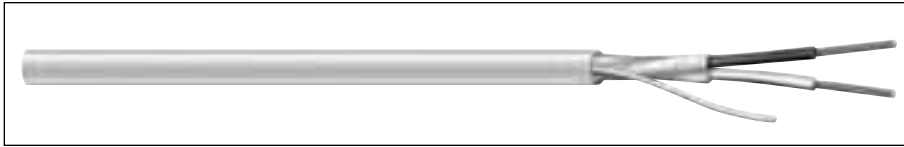
NO. OF COND.	COLOR
1	Black
2	Natural
3	Red
4	Green

Color Code Chart 2

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

Power-Limited Tray Cable, Foil Shield

NEC Type PLTC



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. CAP.*	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
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	50.0	89.5
C0453A	3	20	7/28	0.013	0.33	0.037	0.94	0.217	5.51	45.0	81.0
C0454A	2	18	16/30	0.015	0.38	0.037	0.94	0.227	5.77	51.5	92.5
C0455A	3	18	16/30	0.015	0.38	0.037	0.94	0.238	6.04	46.5	83.5
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	0.015	0.33	0.042	1.07	0.298	7.57	60.0	108.0
C0460A	2	12	19/.0185	0.013	0.33	0.042	1.07	0.315	8.00	80.5	145.0

*A – Capacitance between conductors

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

Color Code Chart

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

Product Construction:

Conductor:

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

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:

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

Features:

- Sunlight-resistant PVC jacket
- Good weather resistance
- UL tray cable rated

Compliances:

- NEC Article 725 Power-Limited Tray Cable (UL: 105°C, 300V)
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test

Packaging:

- Please contact Customer Service for packaging and color options



Multi-Paired, Unshielded

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



Product Construction:

Conductor:

- 18 AWG fully annealed stranded tinned copper per ASTM B-33
- Twisted pairs

Insulation:

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

Jacket:

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

Applications:

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

Compliances:

- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2464 (UL: 80°C, 300V)
- CSA CMG (CSA: 60°C)
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMG Flame Test

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

Color Code Chart

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

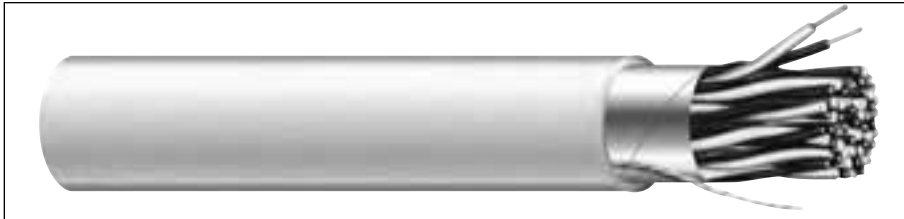
Packaging:

- Please contact Customer Service for packaging and color options



Power-Limited Tray Cable, Foil Shield or Foil/Braid Shield

UL 2464, NEC Type PLTC/CM, CSA CMG



Product Construction:

Conductor:

- 22 or 18 AWG fully annealed stranded tinned copper per ASTM B-33
- 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 (C7101A, C7103A and C7107A only)

Jacket:

- PVC, gray or black
- 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

Features:

- Superior temperature characteristics
- Robust, highly durable
- Sunlight-resistant jacket

Compliances:

- NEC Article 725 Power-Limited Tray Cable (UL: 105°C or 60°C, 300V)
- NEC Article 800 Communications Cable (UL: 105°C or 60°C, 300V)
- †UL Style 2464 (UL: 80°C, 300V)
- CSA CMG (CSA: 60°C) or CM c(UL)
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMG Flame Test

Packaging:

- Please contact Customer Service for packaging and color options

† 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.*	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B

PVC INSULATION – UL STYLE 2464, NEC TYPE PLT/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	1.35	0.403	10.24	33.5	60.3
C0562A	4	18	16/30	0.016	0.41	0.042	1.35	0.440	11.18	33.5	60.3
C0563A	6	18	16/30	0.016	0.41	0.042	1.35	0.519	13.18	30.5	54.9
C0564A	9	18	16/30	0.016	0.41	0.042	1.60	0.622	15.80	30.5	54.9
C0566A	15	18	16/30	0.016	0.41	0.042	1.60	0.622	15.80	30.5	54.9

*A – Capacitance between conductors

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

Color Code Chart

NO. OF PAIRS	COLOR
1 thru 9	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.*	
				INCHES	mm	INCHES	mm	INCHES	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

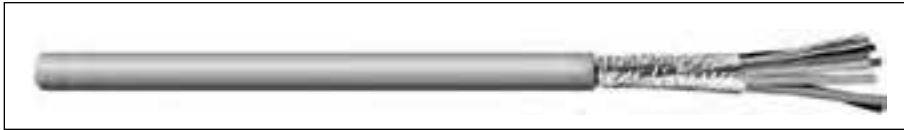
Color Code Chart

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



Multi-Conductor, Foil Shield

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



Product Construction:

Conductor:

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

Insulation:

- Premium-grade, color-coded S-R PVC per UL 1061
- Color code: See charts below

Shield:

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

Jacket:

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

Applications:

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

Compliances:

- NEC Article 800 Type CMR (UL: 75°C)
- UL Style 2464 (UL: 80°C, 300V)
- CSA CMG (CSA: 60°C)
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMG Flame Test

Packaging:

- Please contact Customer Service for packaging and color options

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOMINAL INSULATION THICKNESS		NOMINAL JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR Ω/kft @20°C		NOMINAL CAP.* pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	COND.	SHLD.	A	B
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
1	Black	6	Light Blue
2	White	7	Orange
3	Red	8	Yellow
4	Light Green	9	Violet
5	Light Brown	10	Gray

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	
				INCHES	mm	INCHES	mm	INCHES	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
1	Black	14	Light Green/White	27	Light Blue/Black/White	39	White/Black/Green
2	White	15	Light Blue/White	28	Black/Red/Green	40	Red/White/Green
3	Red	16	Black/Red	29	White/Red/Green	41	Light Green/White/Blue
4	Light Green	17	White/Red	30	Red/Black/Green	42	Orange/Red/Green
5	Orange	18	Orange/Red	31	Light Green/Black/Orange	43	Light Blue/Red/Green
6	Light Blue	19	Light Blue/Red	32	Orange/Black/Green	44	Black/White/Blue
7	White/Black	20	Red/Green	33	Light Blue/White/Orange	45	White/Black/Blue
8	Red/Black	21	Orange/Green	34	Black/White/Orange	46	Red/White/Blue
9	Light Green/Black	22	Black/White/Red	35	White/Red/Orange	47	Light Green/Orange/Red
10	Orange/Black	23	White/Black/Red	36	Orange/White/Blue	48	Orange/Red/Blue
11	Light Blue/Black	24	Red/Black/White	37	White/Red/Blue	49	Light Blue/Red/Orange
12	Black/White	25	Light Green/Black/White	38	Black/White/Green	50	Black/Orange/Red
13	Red/White	26	Orange/Black/White				



Multi-Conductor, Foil Shield

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

Product Construction:

Conductor:

- 22 or 20 AWG fully annealed stranded tinned copper per ASTM B-33

Insulation:

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

Shield:

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

Jacket:

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

Applications:

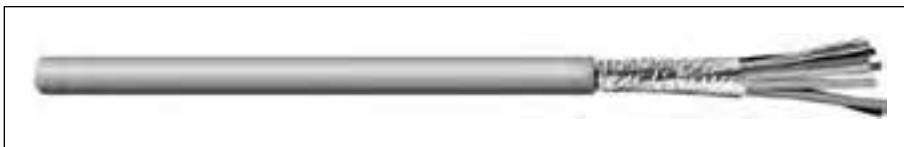
- Computer interconnections
- Data transmission
- Control circuits
- Industrial equipment control
- Suitable for EIA RS-232 applications
- Suggested voltage rating: 300 volts

Compliances:

- NEC Article 800 Type CM - 20 or 22 AWG (UL: 75°C)
- NEC Article 800 Type CMR - 20 or 22 AWG (UL: 75°C)
- UL Style 2464 (UL: 80°C, 300V)
- CSA CMG (CSA: 60°C)
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMG Flame Test

Packaging:

- Please contact Customer Service for packaging and color options



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOMINAL INSULATION THICKNESS		NOMINAL JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR @20°C		NOMINAL CAP.*	
				INCHES	mm	INCHES	mm	INCHES	mm	COND.	SHLD.	A	B

S-R 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

Color Code Chart

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

Multi-Paired, Foil Shield

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

Product Construction:

Conductor:

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

Insulation:

- Premium-grade, color-coded S-R PVC per UL 1061
- Color code: See chart below

Shield:

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

Jacket:

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

Applications:

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

Features:

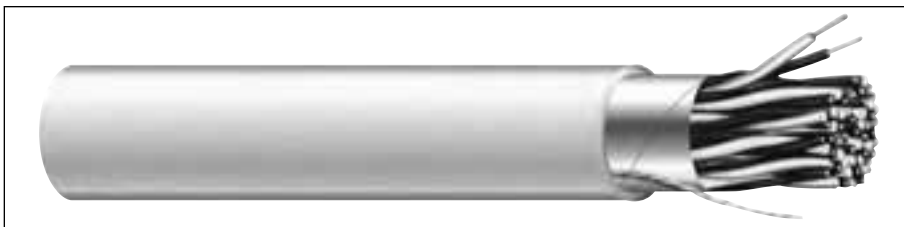
- Superior shielding where noise rejection is critical
- Assists system designers in meeting FCC Docket 20780 demands

Compliances:

- NEC Article 800 Type CMR (UL: 75°C)
- UL Style 2464 (UL: 80°C, 300V)
- CSA CMG (CSA, 60°C)
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMG Flame Test

Packaging:

- Please contact Customer Service for packaging and color options



CATALOG NUMBER	NO. OF PAIRS	AWG SIZE	COND. STRAND	NOMINAL INSULATION THICKNESS		NOMINAL JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR Ω/kft		NOMINAL CAP.* pF/ft	
				INCHES	mm	INCHES	mm	INCHES	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

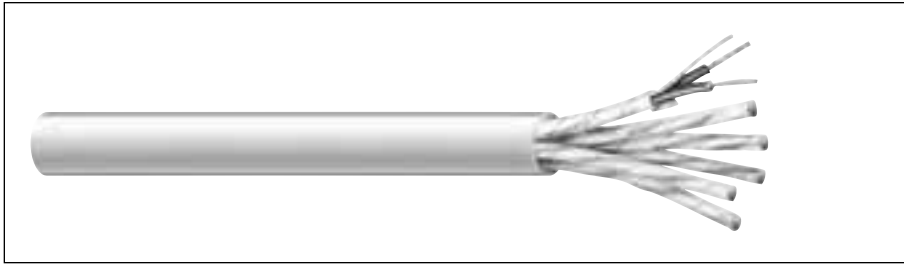
*B - Capacitance between one conductor and other conductors connected to shield

Color Code Chart

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

Multi-Paired, Individually Foil Shielded

UL 2919, NEC Type CM, CSA CMH



Product Construction:

Conductor:

- 24 thru 18 AWG fully annealed stranded tinned copper per ASTM B-33
- Twisted pairs

Insulation:

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

Shield:

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

Jacket:

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

Applications:

- Applications for total isolation of signal
- Computers
- Control circuits
- Industrial equipment
- Suggested voltage rating: 30 volts

Features:

- Individually shielded pairs for excellent signal isolation
- Excellent high frequency properties
- Mechanical durability

Compliances:

- NEC Article 800 Type CM (UL: 75°C)
- UL Style 2919 (UL: 80°C, 30V)
- CSA CMH (CSA: 60°C)
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- 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		
				INCHES	mm	INCHES	mm	INCHES	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

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

