

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:

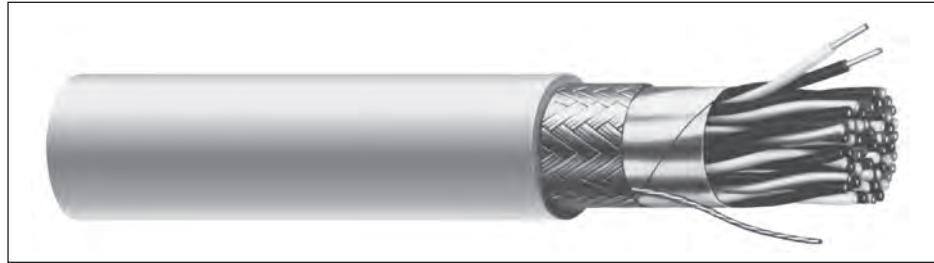
- Computers
- Industrial equipment
- Data transmission
- Control circuits
- Low capacitance requirements
- Suitable for EIA RS-485 applications
- Suggested voltage rating: 30 volts

Compliances:

- NEC Article 800 Type CM/CMH (UL: 75°C, 300 V)
- UL Style 2919 (UL: 80°C, 30 V)
- RoHS Compliant Directive 2011/65/EU
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMH Flame Test
- CE: Low Voltage Directive (LVD) 2006/95/EC
- Assists system designers in meeting FCC Docket 20789 demands

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

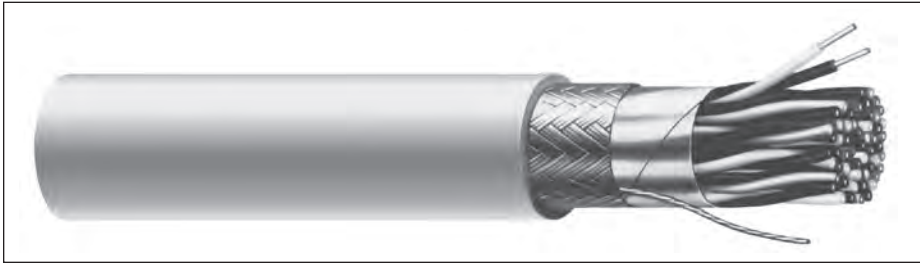
Data subject to change.

Color Code Chart 2

NO. OF PAIRS	COLOR	NO. OF PAIRS	COLOR
1	White-Blue Stripe Blue-White Stripe	3	White-Green Stripe Green-White Stripe
2	White-Orange Stripe Orange-White Stripe	4	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 polyethylene
- Color code: See chart 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-232 applications
- Suitable for EIA RS-422 applications
- Suggested voltage rating: 30 volts

Compliances:

- NEC Article 800 Type CM/CMH (UL: 75°C)
- UL Style 2919 (UL: 80°C, 30 V)
- CSA CMH (CSA: 60°C)
- RoHS Compliant Directive 2011/65/EU
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMH Flame Test
- CE: Low Voltage Directive (LVD) 2006/95/EC
- Assists system designers in meeting FCC Docket 20789 demands

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
C0829A	2	24	7/32	0.015	0.38	0.032	0.81	0.257	6.53	25.7	2.7	66	100	14.8	26.7
C0830A	3	24	7/32	0.015	0.38	0.032	0.81	0.289	7.34	25.7	2.6	66	100	14.2	25.5
C0831A	4	24	7/32	0.015	0.38	0.032	0.81	0.313	7.95	25.7	3.2	66	100	14.2	25.5
C0832A	5	24	7/32	0.015	0.38	0.032	0.81	0.338	8.59	25.7	1.9	66	100	14.2	25.5
C0839A	6	24	7/32	0.015	0.38	0.032	0.81	0.364	9.24	25.7	2.4	66	100	13.2	23.8
C0833A	7	24	7/32	0.015	0.38	0.032	0.81	0.364	9.24	25.7	2.0	66	100	13.2	23.8
C0835A	10	24	7/32	0.015	0.38	0.038	0.97	0.462	11.73	25.7	1.7	66	100	13.2	23.8
C0836A	12	24	7/32	0.015	0.38	0.038	0.97	0.479	12.17	25.7	1.8	66	100	13.2	23.8

*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 paired with Red	7	Black paired with Orange
2	Black paired with White	8	Red paired with White
3	Black paired with Green	9	Red paired with Green
4	Black paired with Blue	10	Red paired with Blue
5	Black paired with Yellow	11	Red paired with Yellow
6	Black paired with Brown	12	Red paired with Brown



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:

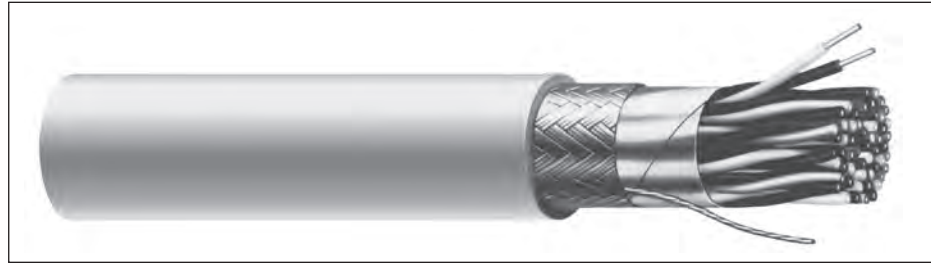
- High-speed computer interconnects
- CAD/CAM systems
- EIA RS-232 and RS-423 systems
- Control circuits
- Industrial equipment
- Low signal distortion data requirements
- Suggested voltage rating: 30 volts
- Suitable for EIA RS-485 120Ω applications

Compliances:

- NEC Article 800 Type CM/CMH (UL: 75°C, 300 V)
- UL Style 2919 (UL: 80°C, 30 V)
- RoHS Compliant Directive 2011/65/EU
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test
- CE: Low Voltage Directive (LVD) 2006/95/EC
- Assists system designers in meeting FCC Docket 20789 demands

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	18	Yellow-Green Stripe Green-Yellow Stripe
2	White-Orange Stripe Orange-White Stripe	11	Black-Blue Stripe Blue-Black Stripe	19	Yellow-Brown Stripe Brown-Yellow Stripe
3	White-Green Stripe Green-White Stripe	12	Black-Orange Stripe Orange-Black Stripe	20	Yellow-Gray Stripe Gray-Yellow Stripe
4	White-Brown Stripe Brown-White Stripe	13	Black-Green Stripe Green-Black Stripe	21	Purple-Blue Stripe Blue-Purple Stripe
5	White-Gray Stripe Gray-White Stripe	14	Black-Brown Stripe Brown-Black Stripe	22	Purple-Orange Stripe Orange-Purple Stripe
6	Red-Blue Stripe Blue-Red Stripe	15	Black-Gray Stripe Gray-Black Stripe	23	Purple-Green Stripe Green-Purple Stripe
7	Red-Orange Stripe Orange-Red Stripe	16	Yellow-Blue Stripe Blue-Yellow Stripe	24	Purple-Brown Stripe Brown-Purple Stripe
8	Red-Green Stripe Green-Red Stripe	17	Yellow-Orange Stripe Orange-Yellow Stripe	25	Purple-Gray Stripe Gray-Purple Stripe
9	Red-Brown Stripe Brown-Red Stripe				

Single Conductor: Green with Yellow Stripe