Multi-Conductor, Foil/Braid Shield

UL 2464, NEC Type CMR (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 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 +80°C

Applications:

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

Features:

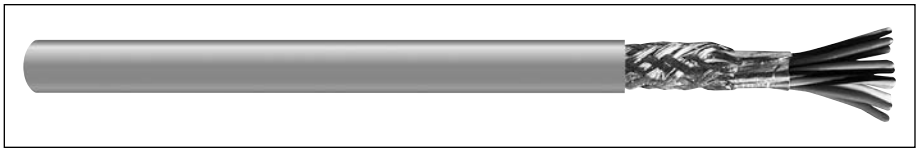
- Braid shield provides good flexibility
- Superior shielding where noise rejection is critical
- Assists system designers in meeting FCC Docket 20780 demands

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 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
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

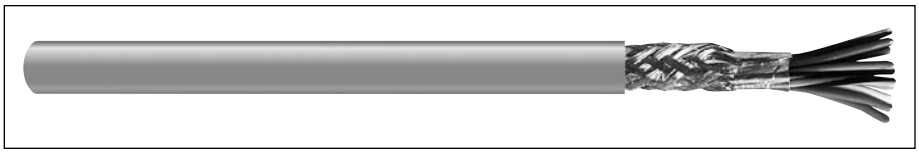
Color Code Chart Per ICEA

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

General Cable RoHS Compliant Directive 2002/95/EC Designed to Meet UL Vertical Tray Flame Test Underwriters Laboratories Inc. CMG Certified Canadian Standard Association c UL us LISTED CAROL BRAND

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

UL 2919, NEC Type CL2 or CM (UL) c(UL) CMH, CSA CMH



CATALOG NUMBER	NO. OF COND.	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL DCR Ω/kft		NOMINAL CAP.* pF/ft	
		INCHES	mm	INCHES	mm	INCHES	mm	COND.	SHLD.	A	B
28 AWG (7/36): CL2, CSA CMH											
C0530A	3	0.016	0.41	0.032	0.81	0.192	4.88	64.9	7.8	9.5	17.0
C0531A	4	0.016	0.41	0.032	0.81	0.205	5.21	64.9	5.9	9.5	17.0
C0532A	5	0.016	0.41	0.032	0.81	0.218	5.54	64.9	5.9	9.5	17.0
C0533A	6	0.016	0.41	0.032	0.81	0.232	5.89	64.9	6.2	9.0	16.0
C0534A	7	0.016	0.41	0.032	0.81	0.232	5.89	64.9	6.2	9.0	16.0
C0535A	8	0.016	0.41	0.032	0.81	0.247	6.27	64.9	4.8	9.0	16.0
C0536A	9	0.016	0.41	0.032	0.81	0.261	6.63	64.9	4.9	9.0	16.0
C0537A	10	0.016	0.41	0.032	0.81	0.279	7.09	64.9	5.2	9.0	16.0
C0538A	15	0.016	0.41	0.032	0.81	0.312	7.92	64.9	4.2	9.0	16.0
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

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	Brown	10	Gray

Color Code Chart 2 Per ICEA - For cables up to 15 conductors

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

Product Construction:

Conductor:

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

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

Features:

- Braid shield provides good flexibility
- Superior shielding where noise rejection is critical
- Assists system designers in meeting FCC Docket 20780 demands

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:

- 1000' (305 m) spools or reels
- 500' (152 m) spools or reels
- Other put-ups available—consult Customer Service

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CMH Certified Canadian Standard Association
Designed to Meet UL Vertical Tray Flame Test Underwriters Laboratories Inc.
RoHS Compliant Directive 2002/95/EC
General Cable