

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 B-33
- 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 (CSA: 80°C, 300V)
- CSA Type AWM (105°C, 600V)
- CSA Certified CMG to harmonized standard UL444 and CSA 22.2 No. 214
- NEC/CEC Type CMG (CSA: 105°C, 300V)
- RoHS Compliant Directive 2002/95/EC
- Designed to meet CSA 70,000 BTU Vertical Tray Flame Test
- 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		COLOR CODE	NOM. CAP.*	
				INCHES	mm	INCHES	mm	INCHES	mm	COND.	SHLD.		A	B
C4170A	1	24	7/32	0.010	0.25	0.032	0.81	0.157	3.99	26.0	18.0	1	36.4	65.5
C4209A	1	24	7/32	0.010	0.25	0.032	0.81	0.157	3.99	26.0	18.0	Wht/Blk	36.4	65.5
C4191A	1	24	7/32	0.009	0.23	0.030	0.76	0.148	3.78	26.0	16.5	Blk/Red	43.0	78.0
C4171A	2	24	7/32	0.010	0.25	0.032	0.81	0.214	5.44	26.0	18.0	1	31.9	57.3
C4172A	3	24	7/32	0.010	0.25	0.032	0.81	0.225	5.72	26.0	16.5	1	28.6	51.4
C4173A	4	24	7/32	0.010	0.25	0.032	0.81	0.245	6.22	26.0	16.5	1	28.6	51.4
C4174A	5	24	7/32	0.010	0.25	0.032	0.81	0.265	6.73	26.0	16.5	1	28.6	51.4
C4175A	6	24	7/32	0.010	0.25	0.032	0.81	0.287	7.29	26.0	15.2	1	26.3	47.5
C4176A	7	24	7/32	0.010	0.25	0.032	0.81	0.287	7.29	26.0	15.2	1	26.3	47.5
C4177A	8	24	7/32	0.010	0.25	0.032	0.81	0.309	7.85	26.0	15.0	1	26.3	47.5
C4178A	9	24	7/32	0.010	0.25	0.032	0.81	0.331	8.41	26.0	15.0	1	26.3	47.5
C4179A	10	24	7/32	0.010	0.25	0.032	0.81	0.359	9.12	26.0	14.0	1	26.3	47.5
C4180A	15	24	7/32	0.010	0.25	0.032	0.81	0.410	10.41	26.0	13.8	1	26.3	47.5
C4181A	19	24	7/32	0.010	0.25	0.032	0.81	0.432	10.97	26.0	13.5	1	26.3	47.5
C4182A	25	24	7/32	0.010	0.25	0.032	0.81	0.505	12.83	26.0	12.7	1	26.3	47.5

*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		

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 B-33
- 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
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Applications:

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Compliances:

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- CSA Type AWM (105°C, 600V)
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- NEC/CEC Type CMG (CSA: 105°C, 300V)
- RoHS Compliant Directive 2002/95/EC
- Designed to meet CSA 70,000 BTU Vertical Tray Flame Test
- Passes CSA FT4 Vertical Flame Test

Packaging:

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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
C4183A	1	22	7/30	0.010	0.25	0.032	0.81	0.169	4.29	15.0	18.0	44.8	80.7
C4184A	2	22	7/30	0.010	0.25	0.032	0.81	0.234	5.94	15.0	16.5	35.9	64.6
C4185A	3	22	7/30	0.010	0.25	0.032	0.81	0.246	6.25	15.0	16.5	30.9	55.7
C4186A	4	24	7/30	0.010	0.25	0.032	0.81	0.269	6.83	15.0	16.5	30.9	55.7
C4187A	5	22	7/30	0.010	0.25	0.032	0.81	0.294	7.47	15.0	16.5	30.9	55.7
C4188A	6	22	7/30	0.010	0.25	0.032	0.81	0.320	8.13	15.0	16.5	28.4	51.0
C4189A	9	22	7/30	0.010	0.25	0.032	0.81	0.367	9.32	15.0	16.5	28.4	51.0
C4190A	15	22	7/30	0.010	0.25	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

Color Code Chart

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

