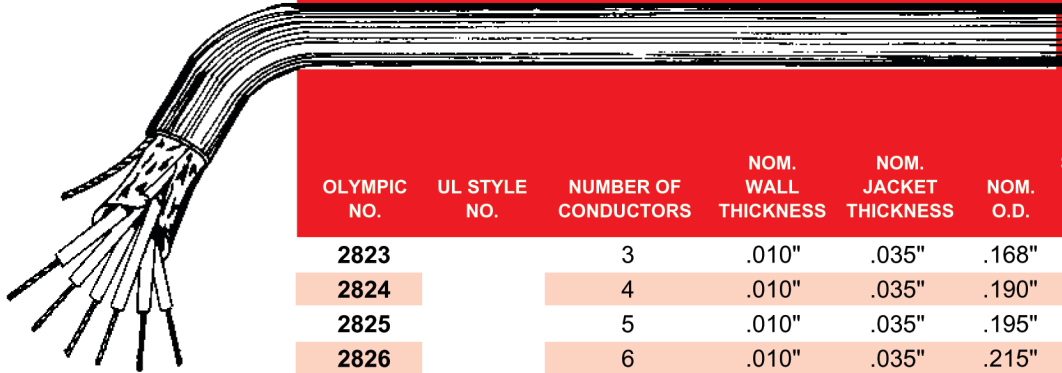


### UL CLASSIFIED CM

### Multi-Conductor Cable/Overall Foil Shield

#### 24 Gage, (7x32)



#### DESCRIPTION:

Tinned copper, vinyl insulated, conductors cabled, aluminum mylar shield with 24 AWG stranded tinned copper drain wire, chrome vinyl jacket  
Temp. Rating -20° C to +80° C

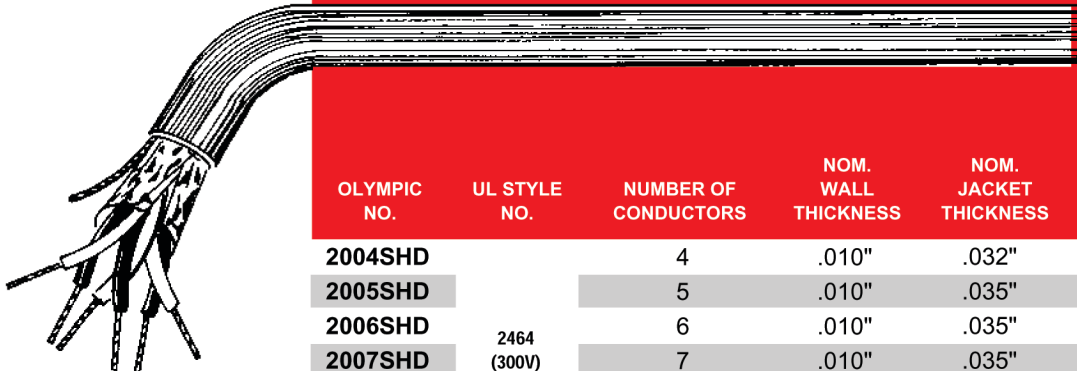
#### COLOR CODE:

2823-2830 See Chart 1, Page 94  
2835-2870 See Chart 2, Page 94

OLYMPIC NO.	UL STYLE NO.	NUMBER OF CONDUCTORS	NOM. WALL THICKNESS	NOM. JACKET THICKNESS	NOM. O.D.	SUGGESTED WORKING VOLTAGE	NOM. CAP. pF/ft*
2823		3	.010"	.035"	.168"	300	30
2824		4	.010"	.035"	.190"	300	30
2825		5	.010"	.035"	.195"	300	30
2826		6	.010"	.035"	.215"	300	30
2827	2464 (300V) 80° C	7	.010"	.035"	.215"	300	30
2828		8	.010"	.035"	.220"	300	30
2829	SP	9	.010"	.035"	.250"	300	30
2830		10	.010"	.035"	.250"	300	30
2835	AWM FT4	15	.010"	.035"	.280"	300	30
2840		20	.010"	.035"	.320"	300	30
2845		25	.010"	.040"	.360"	300	30
2850		30	.010"	.040"	.380"	300	30
2860		40	.010"	.040"	.430"	300	30
2870		50	.010"	.045"	.490"	300	30

\* Capacitance between conductors

#### 22 Gage, (7x30)



#### DESCRIPTION:

Tinned copper, vinyl insulated, conductors cabled, aluminum mylar shield with 24 AWG stranded tinned copper drain wire, chrome vinyl jacket,  
Temp. Rating -20° C to +80° C

#### COLOR CODE:

See Chart 8, Page 96

OLYMPIC NO.	UL STYLE NO.	NUMBER OF CONDUCTORS	NOM. WALL THICKNESS	NOM. JACKET THICKNESS	NOM. O.D.	NOM. CAP. pF/ft*
2004SHD		4	.010"	.032"	.200"	35
2005SHD		5	.010"	.035"	.212"	35
2006SHD		6	.010"	.035"	.227"	35
2007SHD	2464 (300V) 80° C	7	.010"	.035"	.230"	35
2008SHD		8	.010"	.035"	.242"	35
2009SHD	SP	9	.010"	.035"	.259"	35
2010SHD		10	.010"	.035"	.260"	35
2012SHD	AWM T2 FT1	12	.010"	.035"	.286"	35
2015SHD		15	.010"	.035"	.301"	35
2020SHD		20	.010"	.035"	.335"	35
2025SHD		25	.010"	.040"	.370"	35

\* Capacitance between conductors

#### CHART No. 1

##### CONDUCTOR COLOR

1st	Black
2nd	White
3rd	Red
4th	Green
5th	Brown
6th	Blue
7th	Orange
8th	Yellow
9th	Purple
10th	Gray
11th	Pink
12th	Tan

#### CHART No. 1a

##### PAIR COLORS

1	White/White/Black
2	White/White/Red
3	White/White/Green
4	White/White/Blue

#### CHART No. 2: IPCEA COLOR CODE (NECKI) (Insulated Power Cable Engineers Association)

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

#### CHART No. 3 : PAIRED CABLES

PAIR NO.	COLOR COMBINATION	PAIR NO.	COLOR COMBINATION	PAIR NO.	COLOR COMBINATION	PAIR NO.	COLOR COMBINATION
1	Black paired with Red	11	Red paired with Yellow	21	White paired with Brown	31	Purple paired with White
2	Black paired with White	12	Red paired with Brown	22	White paired with Orange	32	Purple paired with Dark Grn
3	Black paired with Green	13	Red paired with Orange	23	Blue paired with Yellow	33	Purple paired with Lt. Blue
4	Black paired with Blue	14	Green paired with White	24	Blue paired with Brown	34	Purple paired with Yellow
5	Black paired with Yellow	15	Green paired with Blue	25	Blue paired with Orange	35	Purple paired with Brown
6	Black paired with Brown	16	Green paired with Yellow	26	Brown paired with Yellow	36	Purple paired with Black
7	Black paired with Orange	17	Green paired with Brown	27	Brown paired with Orange	37	Gray paired with White
8	Red paired with White	18	Green paired with Orange	28	Orange paired with Yellow		
9	Red paired with Green	19	White paired with Blue	29	Purple paired with Orange		
10	Red paired with Blue	20	White paired with Yellow	30	Purple paired with Red		

#### CHART No. 4 : MULTIPAIR CABLES

PAIR NO.	COLOR COMBINATION	PAIR NO.	COLOR COMBINATION	PAIR NO.	COLOR COMBINATION
1	Blue paired with White	18	Brown/White striped paired with White	35	Green/White striped paired with Red
2	Orange paired with White	19	Brown/Slate striped paired with White	36	Green/Brown striped paired with Red
3	Green paired with White	20	Slate/White striped paired with White	37	Green/Slate striped paired with Red
4	Brown paired with White	21	Blue paired with Red	38	Brown/White striped paired with Red
5	Slate paired with White	22	Orange paired with Red	39	Brown/Slate striped paired with Red
6	Blue/White striped paired with White	23	Green paired with Red	40	Slate/White striped paired with Red
7	Blue/Orange striped paired with White	24	Brown paired with Red	41	Blue paired with Black
8	Blue/Green striped paired with White	25	Slate paired with Red	42	Orange paired with Black
9	Blue/Brown striped paired with White	26	Blue/White striped paired with Red	43	Green paired with Black
10	Blue/Slate striped paired with White	27	Blue/Orange striped paired with Red	44	Brown paired with Black
11	Orange/White striped paired with White	28	Blue/Green striped paired with Red	45	Slate paired with Black
12	Orange/Green striped paired with White	29	Blue/Brown striped paired with Red	46	Blue/White striped paired with Black
13	Orange/Brown striped paired with White	30	Blue/Slate striped paired with Red	47	Blue/Orange striped paired with Black
14	Orange/Slate striped paired with White	31	Orange/White striped paired with Red	48	Blue/Green striped paired with Black
15	Green/White striped paired with White	32	Orange/Green striped paired with Red	49	Blue/Brown striped paired with Black
16	Green/Brown striped paired with White	33	Orange/Brown striped paired with Red	50	Blue/Slate striped paired with Black
17	Green/Slate striped paired with White	34	Orange/Slate striped paired with Red	51	Orange/White striped paired with Black

#### CHART No. 7 : MULTIPAIR CABLES

PAIR NO.	COLOR COMBINATION	PAIR NO.	COLOR COMBINATION	PAIR NO.	COLOR COMBINATION
1	Black paired with Red	18	Green paired with Yellow	35	Purple paired with Slate
2	Black paired with White	19	White paired with Blue	36	Purple paired with Black
3	Black paired with Green	20	White paired with Brown	37	Slate paired with Green
4	Black paired with Blue	21	White paired with Orange	38	Slate paired with Blue
5	Black paired with Brown	22	White paired with Yellow	39	Slate paired with Brown
6	Black paired with Yellow	23	Blue paired with Brown	40	Slate paired with Yellow
7	Black paired with Orange	24	Blue paired with Orange	41	Slate paired with Orange
8	Red paired with Green	25	Blue paired with Yellow	42	Slate paired with Green
9	Red paired with White	26	Brown paired with Orange	43	Slate paired with White
10	Red paired with Blue	27	Brown paired with Yellow	44	Slate paired with Blue
11	Red paired with Yellow	28	Purple paired with Red	45	White/Black paired with Red
12	Red paired with Brown	29	Purple paired with White	46	White/Black paired with Green
13	Red paired with Orange	30	Purple paired with Green	47	White/Black paired with Blue
14	Green paired with Blue	31	Purple paired with Blue	48	White/Black paired with Brown
15	Green paired with White	32	Purple paired with Brown	49	White/Black paired with Yellow
16	Green paired with Brown	33	Purple paired with Yellow	50	White/Black paired with Orange
17	Green paired with Orange	34	Purple paired with Orange	51	White/Black paired with Purple

#### CHART No. 8 : MULTICONDUCTOR CABLES

NO.	BASE COLOR	1st STRIPE	2nd STRIPE	3rd STRIPE	NO.	BASE COLOR	1st STRIPE	2nd STRIPE	3rd STRIPE	NO.	BASE COLOR	1st STRIPE	2nd STRIPE	3rd STRIPE
1	Black				35	White	Red	Red		69	White	Black	Green	Blue
2	Red				36	White	Red	Green		70	White	Black	Green	Brown
3	White				37	White	Red	Blue		71	White	Black	Green	Orange
4	Green				38	White	Red	Brown		72	White	Black	Green	Gray
5	Orange				39	White	Red	Violet		73	White	Black	Green	Violet
6	Blue				40	White	Green	Black		74	White	Black	Yellow	Blue
7	Brown				41	White	Green	Red		75	White	Black	Yellow	Brown
8	Yellow				42	White	Green	Green		76	White	Black	Yellow	Orange
9	Violet				43	White	Green	Blue		77	White	Black	Yellow	Gray
10	Gray				44	White	Green	Brown		78	White	Black	Yellow	Violet
11	Pink				45	White	Green	Violet		79	White	Black	Blue	Brown
12	Tan				46	White	Blue	Black		80	White	Black	Blue	Orange
13	Red	Green			47	White	Blue	Red		81	White	Black	Blue	Gray
14	Red	Yellow			48	White	Blue	Green		82	White	Black	Blue	Violet
15	Red	Black			49	White	Blue	Blue		83	White	Black	Brown	Orange
16	White	Black			50	White	Blue	Brown		84	White	Black	Brown	Gray
17	White	Red			51	White	Blue	Violet		85	White	Black	Brown	Violet
18	White	Green			52	White	Brown	Black		86	White	Black	Orange	Gray
19	White	Yellow			53	White	Brown	Red		87	White	Black	Orange	Violet
20	White	Blue			54	White	Brown	Green		88	White	Black	Gray	Violet
21	White	Brown			55	White	Brown	Blue		89	White	Red	Black	Green
22	White	Orange			56	White	Brown	Brown		90	White	Red	Black	Yellow
23	White	Gray			57	White	Brown	Violet		91	White	Red	Black	Blue
24	White	Violet			58	White	Violet	Red		92	White	Red	Black	Brown
25	White	Black	Red		59	White	Violet	Green		93	White	Red	Black	Orange
26	White	Black	Green		60	White	Violet	Blue		94	White	Red	Black	Gray
27	White	Black	Yellow		61	White	Black	Red	Green	95	White	Red	Black	Violet
28	White	Black	Blue		62	White	Black	Red	Yellow	96	White	Red	Green	Yellow
29	White	Black	Brown		63	White	Black	Red	Blue	97	White	Red	Green	Blue
30	White	Black	Orange		64	White	Black	Red	Brown	98	White	Red	Green	Brown
31	White	Black	Gray		65	White	Black	Red	Orange	99	White	Red	Green	Orange
32	White	Black	Violet		66	White	Black	Red	Gray	100	White	Red	Green	Gray
33	White	Black	Black		67	White	Black	Red	Violet					
34	White	Red	Black		68	White	Black	Green	Yellow					