

## COLOR CODE CHARTS

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The following paragraphs detail ICEA/NEMA color code methods. Charts detailing ICEA/NEMA Methods 1 and 3, which are referenced in the product pages of this catalog, are included herein.

Industry standard generic Color Code Charts 1 through 5, which also are referenced in the product pages, follow the ICEA/NEMA charts.

**ICEA/NEMA Method 1** - Colored insulation with contrasting ink tracers as required. Six different insulation colors and four different colored ink tracers are used to provide positive identification through 21 conductors. The same identification sequence may be repeated for cables containing more than 21 conductors.

**ICEA/NEMA Method 2** - A neutral-colored compound is used with single or double spiral ink tracers as required to provide positive identification through 21 conductors. The identification sequence is repeated for cables containing more than 21 conductors.

**ICEA/NEMA Method 3** - A neutral- or single-colored insulation compound is surface ink printed with both conductor number and color designation to provide positive identification through 21 conductors. The identification sequence is repeated for colors containing more than 21 conductors.

**ICEA/NEMA Method 4** - A neutral- or single-colored insulation compound is surface ink printed with conductor number to provide positive conductor identification through 21 conductors. The identification sequence is repeated for cables containing more than 21 conductors.

**ICEA/NEMA Method 5** - A color coding using braids. Also sometimes specified using colored insulation and contrasting tracers as an extension of Method 1 to eliminate duplicate conductors. Up to 127 positive conductor codings are available with this method.

**ICEA/NEMA Method 9** - One conductor of each pair should be coded "white" or "black" and the other conductor should be coded with any other contrasting color. Pairs should be identified in sequence by printed numbers on at least one conductor in each pair, beginning with the number 1.

# COLOR CODE CHARTS

ICEA METHOD 1, TABLE E-1							
Number of Conductors	Background or Base Color	First Tracer Color	Second Tracer Color	Number of Conductors	Background or Base Color	First Tracer Color	Second Tracer Color
1	Black	–	–	20	Red	Green	–
2	White	–	–	21	Orange	Green	–
3	Red	–	–	22	Black	White	Red
4	Green	–	–	23	White	Black	Red
5	Orange	–	–	24	Red	Black	White
6	Blue	–	–	25	Green	Black	White
7	White	Black	–	26	Orange	Black	White
8	Red	Black	–	27	Blue	Black	White
9	Green	Black	–	28	Black	Red	Green
10	Orange	Black	–	29	White	Red	Green
11	Blue	Black	–	30	Red	Black	Green
12	Black	White	–	31	Green	Black	Orange
13	Red	White	–	32	Orange	Black	Green
14	Green	White	–	33	Blue	White	Orange
15	Blue	White	–	34	Black	White	Orange
16	Black	Red	–	35	White	Red	Orange
17	White	Red	–	36	Orange	White	Blue
18	Orange	Red	–	37	White	Red	Blue
19	Blue	Red	–				

# COLOR CODE CHARTS

ICEA METHOD 1, TABLE E-2					
Number of Conductors	Base Color	Spiral Stripe	Number of Conductors	Base Color	Spiral Stripe
1	Black	–	19	Orange	Blue
2	Red	–	20	Yellow	Blue
3	Blue	–	21	Brown	Blue
4	Orange	–	22	Black	Orange
5	Yellow	–	23	Red	Orange
6	Brown	–	24	Blue	Orange
7	Red	Black	25	Yellow	Orange
8	Blue	Black	26	Brown	Orange
9	Orange	Black	27	Black	Yellow
10	Yellow	Black	28	Red	Yellow
11	Brown	Black	29	Blue	Yellow
12	Black	Red	30	Orange	Yellow
13	Blue	Red	31	Brown	Yellow
14	Orange	Red	32	Black	Brown
15	Yellow	Red	33	Red	Brown
16	Brown	Red	34	Blue	Brown
17	Black	Blue	35	Orange	Brown
18	Red	Blue	36	Yellow	Brown

Note: Color code repeats after 36 conductors. No green or white conductors/stripes.

ICEA METHOD 3, TABLE E-1			
Number of Conductors	Printing	Number of Conductors	Printing
1	1-Black	11	11-Blue-Black
2	2-White	12	12-Black-White
3	3-Red	13	13-Red-White
4	4-Green	14	14-Green-White
5	5-Orange	15	15-Blue-White
6	6-Blue	16	16-Black-Red
7	7-White-Black	17	17-White-Red
8	8-Red-Black	18	18-Orange-Red
9	9-Green-Black	19	19-Blue-Red
10	10-Orange-Black	20	20-Red_Green
		21	21-Orange-Green

Note: Color code repeats after 21 conductors.

Technical Reference

# COLOR CODE CHARTS 1-3

CHART 1	
Number of Conductors	Color
1	Black
2	Red
3	White
4	Light Green
5	Light Brown
6	Light Blue
7	Orange
8	Yellow
9	Violet
10	Gray
11	Pink
12	Tan

CHART 2	
Number of Conductors	Color
2	Black, Red
4	Black, Red, Light Blue, Light Brown
6	Black, Red, Light Blue, Light brown, Orange, Yellow
8	Black, Red, Light blue, Light Brown, Orange, Yellow, Purple, Gray

CHART 3			
Number of Pairs	Color	Number of Pairs	Color
1	Black with Red	14	Green with White
2	Black with White	15	Green with Blue
3	Black with Light 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 Light 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		

# COLOR CODE CHART 4

## MODIFIED WESTERN ELECTRIC

CHART 4			
Number of Pairs	Color	Number of Pairs	Color
1	White/Blue Stripe Blue	14	Black/Brown Stripe Brown/Black Stripe
2	White/Orange Stripe Orange	15	Black/Gray Stripe Gray/Black Stripe
3	White/Green Stripe Green	16	Yellow/Blue Stripe Blue/Yellow Stripe
4	White/Brown Stripe Brown	17	Yellow/Orange Stripe Orange/Yellow Stripe
5	White/Gray Stripe Gray/White Stripe	18	Yellow/Green Stripe Green/Yellow Stripe
6	Red/Blue Stripe Blue/Red Stripe	19	Yellow/Brown Stripe Brown/Yellow Stripe
7	Red/Orange Stripe Orange/Red Stripe	20	Yellow/Gray Stripe Gray/Yellow Stripe
8	Red/Green Stripe Green/Red Stripe	21	Purple/Blue Stripe Blue/Purple Steipe
9	Red/Brown Stripe Brown/Red Stripe	22	Purple/Orange Orange/Purple
10	Red/Gray Stripe Gray/Red Stripe	23	Purple/Green Green/Purple
11	Black/Blue Stripe Blue/Black Stripe	24	Purple/Brown Brown/Purple
12	Black/Orange Stripe Orange/Black Stripe	25	Purple/Gray Gray/Purple
13	Black/Green Stripe Green/Black Stripe		

## COLOR CODE CHART 5

### PAIR IDENTIFICATION COLORS

For pairs numbering 1 through 25, the pair identification colors are outlined below. In cable constructions containing more than 25 pairs, the colors are repeated as necessary. Color coded binders are used to identify 25-pair groups of color.

CHART 5					
Number of Pairs	Tip color	Ring Color	Number of Pairs	Tip color	Ring Color
1	White	Blue	14	Black	Brown
2	White	Orange	15	Black	Slate
3	White	Green	16	Yellow	Blue
4	White	Brown	17	Yellow	Orange
5	White	Slate	18	Yellow	Green
6	Red	Blue	19	Yellow	Brown
7	Red	Orange	20	Yellow	Slate
8	Red	Green	21	Violet	Blue
9	Red	Brown	22	Violet	Orange
10	Red	Slate	23	Violet	Green
11	Black	Blue	24	Violet	Brown
12	Black	Orange	25	Violet	Slate
13	Black	Green			