

CIR® Cable Color Codes



Crush and Impact Resistant Without External Armoring.
Safer to Handle.
Easier to Install.

Control Cables Colored Insulation		
Conductor #	Base Color	Tracer Color
1	Black	–
2	Red	–
3	Blue	–
4	Orange	–
5	Yellow	–
6	Brown	–
7	Red	Black
8	Blue	Black
9	Orange	Black
10	Yellow	Black
11	Brown	Black
12	Black	Red
13	Blue	Red
14	Orange	Red
15	Yellow	Red
16	Brown	Red
17	Black	Blue
18	Red	Blue
19	Orange	Blue
20	Yellow	Blue
21	Brown	Blue
22	Black	Orange
23	Red	Orange
24	Blue	Orange
25	Yellow	Orange
26	Brown	Orange
27	Black	Yellow
28	Red	Yellow
29	Blue	Yellow
30	Orange	Yellow
31	Brown	Yellow
32	Black	Brown
33	Red	Brown
34	Blue	Brown
35	Orange	Brown
36	Yellow	Brown
37	Black	–

Power Cables	
6 AWG and smaller = colored insulation 4 AWG and larger = print	
Conductor #	Color
1	Black
2	Red
3	Blue
4	Orange

Instrumentation Cables	
Pairs	Black, White
Triads	Black, White, Red
Pair / Triad number printed on conductors	

CIR Stranding Profile

Size AWG/kcmil	Number of Strands	Individual Strand Dia. (inches)	Closest IEEE 45 Std. Size	Equivalent Metric Size (mm ²)	Uninsulated Conductor Dia. (inches)
16	19	0.0117	3	1.32	0.059
14	19	0.0147	4	2.08	0.074
12	19	0.0185	6	3.29	0.093
10	37	0.0167	10	5.23	0.113
8	37	0.0201	16	7.57	0.136
6	61	0.0201	26	12.49	0.175
4	133	0.0177	41	21.11	0.258
2	133	0.0223	66	33.51	0.324
1/0	266	0.0201	106	54.45	0.407
2/0	342	0.0201	133	70.01	0.461
4/0	532	0.0201	212	108.91	0.575
250	627	0.0201	250	127	0.634
350	888	0.0201	350	177	0.757
500	1221	0.0201	500	253	0.888
750	1850	0.0201	750	380	1.093



For faster, safer installation, lower overall costs and on-time delivery – specify AmerCable CIR®