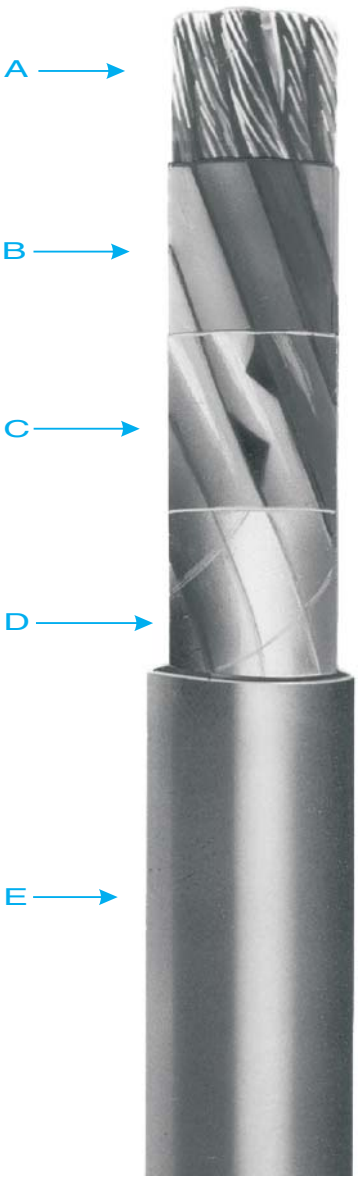
P-30

600V Control Cable

Multiple Conductors /75°C Rating



A Bare Stranded Copper Conductor
B Insulation - Okolene - 20 mils
C Conductor Jacket - Okoseal - 10 mils
D Binder Tape
E Outer Jacket - Okoseal

Insulation

Okolene® is Okonite's trade name for its natural polyethylene insulation with outstanding dielectric strength. The insulation thickness is 20 mils .

Jackets and Finishes

The 10 mil Okoseal® (PVC) jacket over the individual conductors provides additional mechanical strength. The color coding used in these cables shall be base colors and tracers as shown on reverse of Data Sheet. The Okoseal (PVC) outer jacket supplied with these cables has excellent resistance to oil and most chemicals.

Applications

P-30 control cables are recommended as economical, high quality, general purpose low voltage control cables, for use in wet or dry locations, ac or dc service, in conduit, duct, troughs, or direct burial installations.

Specifications

Conductors: Class "B" stranded bare copper, per ASTM B-8 (except #9 AWG which is Class "C" stranding).

Insulation: Okolene (polyethylene) meets or exceeds applicable requirements of ICEA S-73-532.

Jackets: Meet or exceed applicable requirements of ICEA S-73-532.

Assembled with fillers where necessary, non-hygroscopic tape and Okoseal jacket overall.

Product Features

- Color coded for permanent identification.
- Rated 75°C continuous operating temperature.
- Small diameter, light weight.
- Mechanically tough.
- Excellent moisture and heat resistance.
- Flexible, easy to handle.
- Outstanding resistance to most oils, acids and alkalies.
- High dielectric strength.
- Excellent electrical properties in wet or dry locations, ac or dc.

600 Volt Control Cable

Multiple Conductors/75°C Rating

Okolene Insulation: 20 mils
Conductor Jacket: Okoseal, 10 mils

Catalog Number	Number of Conductors	Size AWG or MCM	No. of Strands	Outer Jacket Thickness-mils	Approx O.D. - Inches	Approx Net Weight (lbs/1000')	Approx Ship Weight (lbs/1000')	Ampacity 75°C (1)
203-84-2051	Twin (2)	16	7	45	.21 x .33	47	69	14
203-84-2053	3	16	7	45	.34	64	87	14
203-84-2054	4	16	7	45	.37	79	102	11
203-84-2055	5	16	7	45	.41	96	119	11
203-84-2057	7	16	7	45	.44	122	145	10
203-84-2059	9	16	7	45	.51	156	179	10
203-84-2062	12	16	7	60	.61	213	237	7
203-84-2069	19	16	7	60	.70	311	343	7
203-84-2151	Twin (2)	14	7	45	.23 x .37	64	86	20
203-84-2153	3	14	7	45	.40	89	112	20
203-84-2154	4	14	7	45	.44	111	134	16
203-84-2155	5	14	7	45	.48	136	159	16
203-84-2157	7	14	7	45	.52	175	198	14
203-84-2159	9	14	7	60	.63	244	276	14
203-84-2162	12	14	7	60	.71	306	338	10
203-84-2169	19	14	7	60	.83	453	492	10
203-84-2177	27	14	7	80	1.03	664	720	9
203-84-2301	Twin (2)	12	7	45	.25 x .41	84	106	25
203-84-2303	3	12	7	45	.44	119	142	25
203-84-2304	4	12	7	45	.48	150	173	20
203-84-2305	5	12	7	45	.52	185	208	20
203-84-2307	7	12	7	60	.60	259	283	18
203-84-2308	8	12	7	60	.65	292	325	18
203-84-2309	9	12	7	60	.70	331	363	18
203-84-2312	12	12	7	60	.78	420	459	13
203-84-2319	19	12	7	80	.96	667	722	13
203-84-2451	Twin (2)	10	7	45	.28 x .46	114	137	35
203-84-2452	2	10	7	45	.46	130	153	35
203-84-2453	3	10	7	45	.49	164	187	35
203-84-2454	4	10	7	60	.57	229	253	28
203-84-2455	5	10	7	60	.62	279	303	28
203-84-2457	7	10	7	60	.68	363	395	25
203-84-2458	8	10	7	60	.73	411	450	25
203-84-2459	9	10	7	60	.79	466	505	25
203-84-2462	12	10	7	80	.93	632	687	18
203-84-2651	Twin (2)	9	19	45	.29 x .48	135	158	42
203-84-2653	3	9	19	45	.53	195	218	42
203-84-2654	4	9	19	60	.61	272	296	34
203-84-2655	5	9	19	60	.66	331	363	34
203-84-2657	7	9	19	60	.72	434	473	29
203-84-2659	9	9	19	60	.84	559	614	29
203-84-2662	12	9	19	80	.99	756	820	21

Okonite's web site, www.okonite.com contains the most up to date information.

(1) Ampacities

Ampacities are based on 310.16 of the National Electrical Code for XHHW conductors rated 75°C, in a multi-conductor cable, at an ambient temperature of 30°C (86°F). The 75°C column is provided for additional information.

The ampacities shown apply to open runs of cable, installation in any approved raceway, direct burial in the earth, or as aerial cable on a messenger. Derating for more than three current carrying conductors within the cable is in accordance with NEC Section 310.15.B.2.

Conductor Color Coding Sequence — Sizes 16 - 9 AWG

Conductor Number	Background or Base Color	Tracer Color
1	Black	
2	White	
3	Red	
4	Green	
5	Orange	
6	Blue	
7	White	Black
8	Red	Black
9	Green	Black
10	Orange	Black
11	Blue	Black
12	Black	White
13	Red	White
14	Green	White
15	Blue	White
16	Black	Red
17	White	Red
18	Orange	Red
19	Blue	Red
20	Red	Green
21	Orange	Green

Color Coding per ICEA Method 1, E-1

Alternate color code shall be used for greater than 21 conductor count.

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