

Okonite Cables

Facilities Overview

District Offices, Manufacturing Plants & Service Centers

Manufacturing Plants



Orangeburg, SC - Compound Facility



Orangeburg, SC - Manufacturing Plant



Richmond, KY - Manufacturing Plant



Santa Maria, CA - Manufacturing Plant



Cumberland, RI - Manufacturing Plant



Paterson, NJ - Manufacturing Plant

Atlanta District Office
(770) 928-9778
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Baton Rouge District Office
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Birmingham District Office
(205) 655-0390
FAX: (205) 655-0393
E-Mail: birmingham@okonite.com

Boston District Office
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FAX: (603) 624-2252
E-Mail: boston@okonite.com

Charlotte District Office
(704) 542-1572
FAX: (704) 541-6183
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Chicago District Office
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FAX: (630) 961-3273
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Cleveland District Office
(330) 926-9181
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Houston District Office & Service Center
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E-Mail: houston@okonite.com

Kansas City District Office & Service Center
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Portland District Office & Service Center
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International Sales
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E-Mail: houston@okonite.com

Service Centers



Houston, TX



Kansas City, KS



New Orleans, LA



Portland, OR



Pittsburgh, PA

Corporate HDQ



Ramsey, NJ

OKONITE

HIGH VOLTAGE CABLES



69kV 115kV 138kV



THE OKONITE COMPANY

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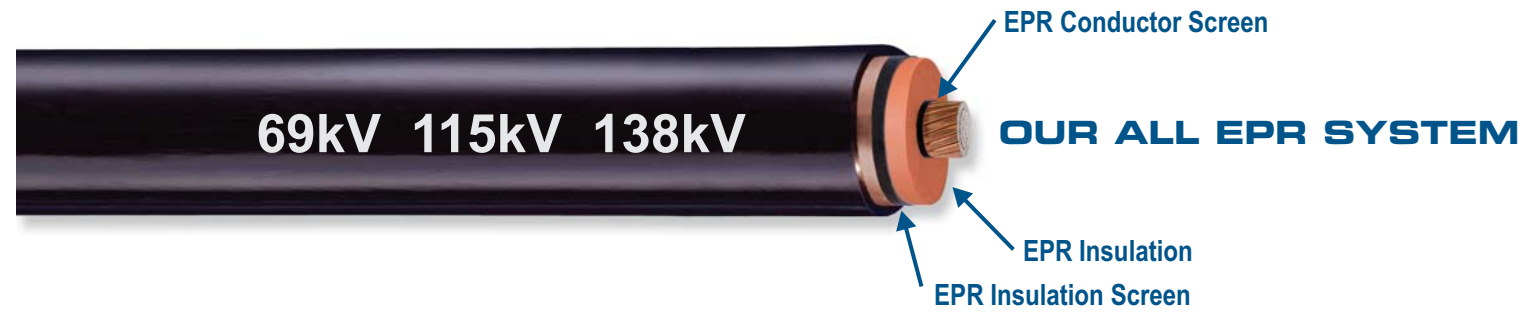
Okonite 07/2019



THE OKONITE COMPANY

Setting the Standard in Quality Since 1878

OKOGUARD HV



- Okoguard HV insulation was developed and tested as an extension to the unparalleled service record of our 50+ year Okoguard MV insulation.
- Okoguard HV has the same important balance of properties as our MV, but is optimized for use in higher HV applications.
- Okoguard HV system uses the same "All EPR System" (strand screen, insulation and insulation screen) as our MV cables.
- Okoguard HV is designed, formulated and compounded completely in-house.
- Okoguard HV is qualified to the latest 138 kV requirements of the AEIC CS9 and ICEA S-108-720 specifications.
- Okoguard HV exhibits the same long-term wet electrical characteristics as our medium voltage compound and therefore unlike XLPE, Okonite cables do not require a moisture barrier.
- Okoguard HV is significantly more flexible and easier to install than XLPE insulated cables.
- Okonite since 1878. We are an employee owned ESOT company and manufacture 100% of our products in the USA.



Okoguard HV has been fully qualified at our Paterson NJ HV Test Lab



Okoguard HV is compounded in-house at our Orangeburg SC campus, which underwent a major expansion in 2019-2020.



Santa Maria CA



Richmond KY



Orangeburg SC

Okonite manufacturers EPR cable in three locations: Santa Maria CA, Richmond KY, and Orangeburg SC.

Okoguard-Okoseal Shielded Power Cable

105°C Rating 100% Insulation Level

Catalog Number	Conductor Size AWG or kcmil	Approx. Dia. over Insulation (in.)	Approx. Dia. over Screen (in.)	Jacket Thickness mils	Approx. O.D. - In.	Approx. Net Weight lbs./1000'	Approx. Ship Weight lbs./1000'	Ampacities (1) Direct Burial	Ampacities (1) Underground Duct
69kV Copper Conductor - Okoguard Insulation = 650 mils									
115-22-3765	250	1.91	2.01	110	2.26	3086	3459	444	398
115-22-3767	350	2.01	2.11	110	2.36	3538	3873	550	495
115-22-3771	500	2.12	2.22	110	2.47	4179	4514	667	599
115-22-3775	750	2.30	2.40	110	2.64	5213	5805	825	742
115-22-3777	1000	2.44	2.54	140	2.85	6389	7151	957	861
115-22-3778	1250	2.68	2.78	140	3.09	7582	8344	1066	959
115-22-3779	1500	2.78	2.88	140	3.19	8527	9447	1157	1042
69kV Aluminum Conductor - Okoguard Insulation = 650 mils									
135-22-3765	250	1.94	2.04	110	2.29	2614	3200	348	312
135-22-3767	350	2.06	2.16	110	2.41	2888	3223	429	386
135-22-3771	500	2.19	2.29	110	2.54	3244	3579	523	469
135-22-3775	750	2.37	2.47	110	2.72	3778	4175	650	584
135-22-3777	1000	2.52	2.62	140	2.93	4433	4904	759	683
135-22-3778	1250	2.68	2.78	140	3.09	4954	5716	853	768
135-22-3779	1500	2.80	2.90	140	3.21	5381	6034	936	842
115kV Copper Conductor - Okoguard Insulation = 800 mils									
108-25-3234	750	2.61	2.71	140	3.02	5745	6505	757	691
108-25-3236	1000	2.75	2.85	140	3.16	6720	7640	877	803
108-25-3239	1250	2.95	3.05	140	3.35	8450	9380	978	895
108-25-3241	1500	3.07	3.17	140	3.48	8860	9790	1066	973
108-25-3243	1750	3.24	3.34	140	3.65	10035	11100	1135	1040
108-25-3245	2000	3.34	3.44	140	3.75	11000	12100	1197	1098
108-25-3247	2250	3.46	3.56	140	3.87	11900	13500	1253	1149
108-25-3249	2500	3.53	3.63	140	3.93	12900	14500	1297	1190
115kV Aluminum Conductor - Okoguard Insulation = 800 mils									
128-25-3235	750	2.68	2.78	140	3.09	4295	4770	597	544
128-25-3237	1000	2.83	2.93	140	3.24	4795	5450	698	637
128-25-3239	1250	2.95	3.05	140	3.35	5240	5890	783	716
128-25-3241	1500	3.07	3.17	140	3.48	5710	6360	862	787
128-25-3243	1750	3.24	3.34	140	3.65	6250	7275	927	850
128-25-3245	2000	3.34	3.44	140	3.75	6675	7755	987	905
128-25-3247	2250	3.43	3.53	140	3.84	7075	8625	1038	952
128-25-3249	2500	3.53	3.63	140	3.94	7500	9050	1087	997
128-25-3251	2750	3.64	3.74	140	4.05	7940	9490	1134	1039
128-25-3253	3000	3.72	3.82	140	4.13	8315	9865	1174	1076
138kV Copper Conductor - Okoguard Insulation = 850 mils									
108-26-3234	750	2.71	2.81	140	3.12	5990	6755	752	687
108-26-3236	1000	2.86	2.96	140	3.27	7010	7945	871	798
108-26-3239	1250	3.05	3.15	140	3.46	8140	9075	971	889
108-26-3241	1500	3.18	3.28	140	3.59	9145	10200	1058	967
108-26-3243	1750	3.35	3.45	140	3.75	10300	11400	1126	1033
108-26-3245	2000	3.44	3.54	140	3.85	11300	12900	1188	1090
108-26-3247	2250	3.56	3.66	140	3.97	13000	14600	1243	1141
108-26-3249	2500	3.63	3.73	140	4.04	13300	14800	1287	1181
138kV Aluminum Conductor - Okoguard Insulation = 850 mils									
128-26-3235	750	2.78	2.88	140	3.19	4550	5190	592	541
128-26-3237	1000	2.93	3.03	140	3.34	5060	5715	691	633
128-26-3239	1250	3.05	3.15	140	3.46	5515	6165	777	711
128-26-3241	1500	3.18	3.28	140	3.59	5995	6695	856	782
128-26-3243	1750	3.35	3.45	140	3.75	6550	7625	920	844

Authorized Stock Item

Available from our Customer Service Centers.

(1) Ampacities are in accordance with ICEA P-53-426 for three single 69kV conductors directly buried or in individual ducts underground, 36" deep with 7 1/2" spacing between conductors, 105°C maximum conductor temperature, 25°C earth temperature, soil resistivity of 90 RHO, 100% load factor and open circuit shields.

Note: Ampacity per IEEE Std 835; Geometry k for Duct Burial and g for duct. Tc=90°C, Ta=20°C, LF=100%