THE OKONITE COMPANY

Okoguard® URO-J®

15kV to 35kV Underground Primary Distribution Cable
Jacketed-Red Identification Stripes
Copper Conductors/105°C Rating
100% and 133% Insulation Levels

A Conductor-Compressed or Compact Round Copper
B Strand Screen - Extruded Semiconducting EPR
C Insulation-Okoguard-EPR
D Insulation Screen - Extruded Semiconducting EPR
E Concentric Conductor-Bare Copper Wires
F Encapsulating Jacket-Okolene with 3 extruded red ID stripes, and NESC Lightning bolt

Insulation

Okoguard® is Okonite's registered trade name for its exclusive ethylene-propylene rubber (EPR) based, thermosetting compound, whose optimum balance of electrical and physical properties is unequaled in other solid dielectrics. Okoguard® insulation, with the distinctive red color and a totally integrated EPR system, provides the optimum balance of electrical and physical properties for long, problem-free service.

Ethylene-propylene rubber screens are extruded over the conductor and the insulation. The triple tandem extrusion of these screens with the insulation provides optimum electrical characteristics.

The bare copper concentric wires are uniformly spaced around the insulation screen. The overall polyethylene jacket provides protection against mechanical damage and corrosion.

Product identification is provided through the use of three red stripes placed 120° apart in the black jacket with an NESC lightning bolt.

Applications

Okoguard URO-J® cables provide maximum circuit longevity in underground residential distribution systems. They can be buried direct or installed in underground ducts or conduits.

Specifications

Central Conductor: Uncoated soft copper. Compressed round conductors per ASTM B-3 and ASTM B-8. Compact round conductors per ASTM B-496.

Conductor Screen: Extruded semiconducting ethylene-propylene rubber meets or exceeds the requirements of ICEA S-94-649, AEIC CS8, and CSA C68.5.

Insulation: Extruded Okoguard® meets or exceeds the requirements of ICEA S-94-649, AEIC CS8, and CSA C68.5.

Insulation Screen: Two insulation screen thicknesses are available:

Cables with Compressed Round Copper Copper conductors have extruded semiconducting ethylene-propylene rubber insulation screens that meet the requirements of ICEA S-94-649, AEIC CS8, and CSA C68.5.

Cables with Compact Round Copper conductors have extruded semiconducting ethylene-propylene rubber insulation screens that meet the requirements of ICEA S-93-639/NEMA WC74 & S-97-682, and AEIC CS8.

Concentric Conductor: Bare copper concentric wires helically applied.

Jacket: Black Okolene® with red extruded stripes meets or exceeds the requirements of ICEA S-94-649, AEIC CS8, and CSA C68.5 for polyethylene jackets.

Product Features

- Triple tandem extruded, all EPR system.
- Okoguard cables meet or exceed ICEA standards.
- 105°C continuous operating temperatures.
- 140°C emergency rating.
- 250°C short circuit rating.
- Excellent corona resistance.
- Low dielectric constant and power factor.
- Screens are clean stripping.
- Exceptional resistance to "treeing".
- Moisture resistant.
- Excellent resistance to most chemicals.
- Can be listed by UL as Type MV-90 or MV-105 on Special Orders.
- CSA C68.5 listed, LTGG (-40°C), SR.
- **Design Options:**
  - Additional conductor sizes
  - Filled strand
  - Copper flat strap concentric neutral
  - Product identification via colored jackets
  - Triplexed or Paralleled
  - Cable-in-Conduit
  - Water blocking powder or WB Tape

Optional Jacket/UL Ratings

- Semi-conducting PE Jacket.
- FR-PVC Jacket (MV-105).
- XLPE Jacket (MV-105).
- Okolene Polyethylene (MV-90).
- Okolene Polypropylene (non-UL).
- OKOLON TP-CPE® (MV-105).
- OKOCLEAR TP® (TPPO-low smoke zero halogen) MV-105.

Okoguard® URO-J

Copper Compressed Round Conductor/105ºC Rating
(with ICEA S-94-649 Insulation Screen Thickness)

Catalog Number	Conductor Size AWG/kcmil	Nominal Dia. over Insulation (in.)	Insulation Screen Thickness (mils)	Nominal Dia. over Insulation Screen (in.)	Copper Neutral No. x AWG (1)	Nominal O.D. (in.)	Approx. Net Weight (lbs./1000')	Approx. Ship Weight (lbs./1000')	90ºC Ampacity Direct Burial (2)	90ºC Ampacity Duct (2)	105ºC Ampacity Direct Burial (2)	105ºC Ampacity Duct (2)
15kV - 175 mils (4.45mm), 100% Insulation Level Full Neutral												
141-23-2060	2(7x)	0.68	30	0.75	16x14	0.99	725	775	210	160	230	175
141-23-2066	1(19x)	0.72	30	0.79	14x12	1.06	890	959	235	180	260	200
141-23-2072	1/0(19x)	0.76	30	0.83	16x12	1.10	1017	1086	270	205	290	225
141-23-2075	2/0(19x)	0.80	30	0.87	14x10	1.19	1273	1380	310	235	335	255
141-23-2078	3/0(19x)	0.85	30	0.92	16x10	1.24	1468	1617	350	265	380	290
141-23-2081	4/0(19x)	0.90	30	0.98	18x.1073	1.30	1763	1912	405	305	440	330
1/3 Neutral												
140-23-2060	2(7x)	0.68	30	0.75	6x14	0.99	608	658	195	160	210	175
140-23-2066	1(19x)	0.72	30	0.79	7x14	1.03	693	743	220	180	240	195
140-23-2072	1/0(19x)	0.76	30	0.83	9x14	1.07	805	874	250	200	275	220
140-23-2075	2/0(19x)	0.80	30	0.87	11x14	1.11	937	1006	285	230	310	250
140-23-2078	3/0(19x)	0.85	30	0.92	14x14	1.16	1106	1183	325	260	350	285
140-23-2081	4/0(19x)	0.90	30	0.98	18x14	1.21	1318	1413	365	300	395	325
140-23-2084	250(37x)	0.97	30	1.04	14x12	1.31	1549	1683	395	325	430	355
140-23-2090	350(37x)	1.07	40	1.17	18x12	1.44	2021	2207	475	390	515	425
140-23-2093	500(37x)	1.20	40	1.30	18x.0953	1.60	2721	2959	555	455	610	500
140-23-2096	750(61x)	1.39	40	1.49	24x.1010	1.87	3925	4862	650	545	710	600
140-23-2099	1000(61x)	1.54	40	1.64	24x.1167	2.05	5083	5502	815	685	885	750
15kV - 220 mils (5.59mm), 133% Insulation Level Full Neutral												
141-23-3060	2(7x)	0.77	30	0.84	16x14	1.08	803	871	210	160	230	175
141-23-3066	1(19x)	0.81	30	0.88	14x12	1.15	973	1055	235	180	260	200
141-23-3072	1/0(19x)	0.85	30	0.92	16x12	1.19	1103	1185	270	205	290	225
141-23-3075	2/0(19x)	0.89	30	0.96	14x10	1.28	1362	1454	310	235	335	255
141-23-3078	3/0(19x)	0.94	30	1.01	16x10	1.33	1561	1663	350	265	380	290
141-23-3081	4/0(19x)	0.99	30	1.07	18x.1073	1.39	1864	1953	405	305	440	330
1/3 Neutral												
140-23-3060	2(7x)	0.77	30	0.84	6x14	1.08	686	755	195	160	210	175
140-23-3066	1(19x)	0.81	30	0.88	7x14	1.12	774	858	220	180	240	195
140-23-3072	1/0(19x)	0.85	30	0.92	9x14	1.16	890	972	250	200	275	220
140-23-3075	2/0(19x)	0.89	30	0.96	11x14	1.20	1025	1105	285	230	310	250
140-23-3078	3/0(19x)	0.94	30	1.01	14x14	1.25	1198	1290	325	260	350	285
140-23-3081	4/0(19x)	0.99	30	1.07	18x14	1.31	1414	1506	365	300	395	325
140-23-3084	250(37x)	1.06	40	1.16	14x12	1.43	1683	1798	395	325	430	355
140-23-3090	350(37x)	1.16	40	1.26	18x12	1.53	2130	2276	475	390	515	425
140-23-3093	500(37x)	1.29	40	1.39	18x.0953	1.77	2953	3146	555	455	610	500
140-23-3096	750(61x)	1.49	40	1.59	24x.1010	1.96	4071	4353	650	545	710	600
140-23-3099	1000(61x)	1.64	55	1.77	24x.1167	2.18	5306	5667	815	685	885	750

Okonite's web site, www.okonite.com contains the most up to date information.
(1) individual wire size and count may vary. The resulting combination meets 1/3 or full neutral, size requirement.

Okoguard® URO-J

Copper Compressed Round Conductor/105ºC Rating
(with ICEA S-94-649 Insulation Screen Thickness)

Catalog Number	Conductor Size AWG/kcmil	Nominal Dia. over Insulation (in.)	Insulation Screen Thickness (mils)	Nominal Dia. over Insulation Screen (in.)	Copper Neutral No. x AWG (1)	Nominal O.D. (in.)	Approx. Net Weight (lbs./1000')	Approx. Ship Weight (lbs./1000')	90ºC Ampacity Direct Burial (2)	90ºC Ampacity Duct (2)	105ºC Ampacity Direct Burial (2)	105ºC Ampacity Duct (2)
25kV - 260 mils (6.60mm), 100% Insulation Level												
Full Neutral												
141-23-4066	1(19x)	0.89	30	0.96	14x12	1.23	1053	1165	235	180	260	200
141-23-4072	1/0(19x)	0.93	30	1.00	16x12	1.27	1187	1305	270	205	290	225
141-23-4075	2/0(19x)	0.97	30	1.04	14x10	1.36	1451	1569	310	235	335	255
141-23-4078	3/0(19x)	1.02	40	1.12	16x10	1.43	1683	1835	350	265	380	290
141-23-4081	4/0(19x)	1.08	40	1.18	18x.1073	1.50	1992	2139	405	305	440	330
1/3 Neutral												
140-23-4066	1(19x)	0.89	30	0.96	7x14	1.20	853	921	220	180	240	195
140-23-4072	1/0(19x)	0.93	30	1.00	9x14	1.24	972	1083	250	200	275	220
140-23-4075	2/0(19x)	0.97	30	1.05	11x14	1.28	1110	1226	285	230	310	250
140-23-4078	3/0(19x)	1.02	30	1.10	14x14	1.33	1287	1433	325	260	350	285
140-23-4081	4/0(19x)	1.08	40	1.18	18x14	1.41	1537	1654	365	300	395	325
140-23-4084	250(37x)	1.14	40	1.24	14x12	1.51	1783	1965	395	325	430	355
140-23-4090	350(37x)	1.24	40	1.34	18x12	1.61	2235	2423	475	390	515	425
140-23-4093	500(37x)	1.38	40	1.48	18x.0953	1.84	3032	3408	555	455	610	500
140-23-4096	750(61x)	1.57	40	1.70	24x.1010	2.08	4285	4622	650	545	710	600
140-23-4099	1000(61x)	1.72	55	1.85	24x.1167	2.26	5458	5817	815	685	885	750
35kV - 345 mils (8.76mm), 100% Insulation Level												
Full Neutral												
141-23-6072	1/0(19x)	1.11	40	1.21	16x12	1.48	1424	1564	265	210	285	230
141-23-6075	2/0(19x)	1.13	40	1.23	14x10	1.55	1678	1840	305	235	330	255
141-23-6078	3/0(19x)	1.20	40	1.30	16x10	1.61	1909	2052	345	270	375	295
141-23-6081	4/0(19x)	1.26	40	1.36	18x.1073	1.75	2293	2439	395	305	430	330
1/3 Neutral												
140-23-6072	1/0(19x)	1.11	40	1.21	9x14	1.45	1205	1344	250	210	270	230
140-23-6075	2/0(19x)	1.15	40	1.25	11x14	1.49	1351	1489	280	235	305	260
140-23-6078	3/0(19x)	1.20	40	1.30	14x14	1.54	1537	1676	320	265	345	290
140-23-6081	4/0(19x)	1.26	40	1.36	18x14	1.60	1767	1906	360	300	395	330
140-23-6084	250(37x)	1.31	40	1.41	14x12	1.75	2076	2235	390	330	425	365
140-23-6090	350(37x)	1.42	40	1.52	18x12	1.85	2556	2736	470	400	510	435
140-23-6093	500(37x)	1.55	40	1.65	18x.0953	2.01	3320	3789	555	470	605	515
140-23-6096	750(61x)	1.74	55	1.88	24x.1010	2.25	4598	5163	650	560	710	620
140-23-6099	1000(61x)	1.89	55	2.03	24x.1167	2.43	5797	6323	815	700	885	770
35kV - 420 mils (10.67mm), 133% Insulation Level												
Full Neutral												
141-23-7022	1/0(19x)	1.27	40	1.37	16x12	1.64	1628	1832	265	210	285	230
141-23-7025	2/0(19x)	1.31	40	1.41	14x10	1.79	1980	2226	305	235	330	260
141-23-7028	3/0(19x)	1.36	40	1.46	16x10	1.84	2201	2447	345	270	375	290
141-23-7031	4/0(19x)	1.41	40	1.51	18x.1073	1.90	2528	2778	395	305	430	330
1/3 Neutral												
140-23-9923	1/0(19x)	1.27	40	1.37	9x14	1.60	1406	1594	250	210	270	230
140-23-9931	2/0(19x)	1.31	40	1.41	11x14	1.71	1619	1823	280	235	305	255
140-23-9932	3/0(19x)	1.36	40	1.46	14x14	1.76	1813	2017	320	265	345	295
140-23-9940	4/0(19x)	1.41	40	1.51	18x14	1.82	2053	2258	360	300	395	330
140-23-9941	250(37x)	1.47	40	1.57	14x12	1.90	2314	2877	390	330	425	365
140-23-9942	350(37x)	1.57	40	1.67	18x12	2.00	2818	3182	470	400	510	435
140-23-9943	500(37x)	1.70	55	1.84	18x.0953	2.20	3658	4027	555	470	605	515
140-23-9944	750(61x)	1.90	55	2.03	24x.1010	2.41	4905	5464	650	560	710	620
140-23-9946	1000(61x)	2.02	55	2.18	24x.1167	2.59	6128	6699	815	700	885	770

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(1) individual wire size and count may vary. The resulting combination meets 1/3 or full neutral, size requirement.

Okoguard® URO-J

Copper Compact Round Conductor/105ºC Rating
(with ICEA S-94-649 Insulation Screen Thickness)**

Catalog Number	Conductor Size AWG/kcmil	Nominal Dia. over Insulation (in.)	Insulation Screen Thickness (mils)	Nominal Dia. over Insulation Screen (in.)	Copper Neutral No. x AWG (1)	Nominal O.D. (in.)	Approx. Net Weight (lbs./1000')	Approx. Ship Weight (lbs./1000')	90ºC Ampacity Direct Burial (2)	90ºC Ampacity Duct (2)	105ºC Ampacity Direct Burial (2)	105ºC Ampacity Duct (2)
15kV - 175 mils (4.45mm), 100% Insulation Level Full Neutral												
141-23-2010	2(7x)	0.67	30	0.74	16x14	0.98	718	762	210	160	230	175
141-23-2012	1(19x)	0.70	30	0.77	14x12	1.04	879	950	235	180	260	200
141-23-2014	1/0(19x)	0.74	30	0.81	16x12	1.08	1004	1075	270	205	290	225
141-23-2018	2/0(19x)	0.78	30	0.85	14x10	1.17	1256	1361	310	235	335	255
141-23-2020	3/0(19x)	0.83	30	0.90	16x10	1.21	1449	1599	350	265	380	290
●141-23-2024	4/0(19x)	0.86	24	0.93	18x.1073	1.26	1723	1823	405	305	440	330
1/3 Neutral												
140-23-2010	2(7x)	0.67	30	0.74	6x14	0.98	601	645	195	160	210	175
140-23-2012	1(19x)	0.70	30	0.77	7x14	1.01	682	732	220	180	240	195
140-23-2014	1/0(19x)	0.74	30	0.81	9x14	1.05	792	864	250	200	275	220
140-23-2018	2/0(19x)	0.78	30	0.85	11x14	1.09	922	990	285	230	310	250
140-23-2020	3/0(19x)	0.83	30	0.90	14x14	1.14	1089	1157	325	260	350	285
●140-23-2024	4/0(19x)	0.86	24	0.93	18x14	1.17	1280	1361	365	300	395	325
140-23-2026	250(37x)	0.93	30	1.01	14x12	1.28	1522	1639	395	325	430	355
●140-23-2030	350(37x)	1.01	24	1.08	18x12	1.35	1928	2028	475	390	515	425
●140-23-2032	500(37x)	1.12	24	1.19	18x.0953	1.49	2603	2746	555	455	610	500
●140-23-2036	750(61x)	1.30	24	1.37	24x.1010	1.74	3775	4010	650	545	710	600
140-23-2038	1000(61x)	1.47	40	1.57	24x.1167	1.98	4979	5398	815	685	885	750
15kV - 220 mils (5.59mm), 133% Insulation Level Full Neutral												
▲141-23-9460*	2(7x)	0.76	30	0.83	16x14	1.07	792	862	210	160	230	175
●141-23-9060	2(7x)	0.74	24	0.81	16x14	1.05	774	841	210	160	230	175
141-23-9066	1(19x)	0.79	30	0.87	14x12	1.14	960	1022	235	180	260	200
●141-23-9517	1/0(19x)	0.81	24	0.88	16x12	1.15	1065	1145	270	205	290	225
●141-23-9075	2/0(19x)	0.85	24	0.92	14x10	1.23	1320	1405	310	235	335	255
141-23-9533	3/0(19x)	0.92	30	0.99	16x10	1.30	1541	1641	350	265	380	290
●141-23-9535	4/0(19x)	0.95	24	1.02	18x.1073	1.34	1813	1901	405	305	440	330
1/3 Neutral												
●140-23-9512	2(7x)	0.74	24	0.81	6x14	1.05	657	724	195	160	210	175
140-23-9514	1(19x)	0.79	30	0.87	7x14	1.10	761	829	220	180	240	195
●140-23-9523	1/0(19x)	0.81	24	0.88	9x14	1.12	852	933	250	200	275	220
●140-23-9025	2/0(19x)	0.85	24	0.92	11x14	1.16	985	1065	285	230	310	250
140-23-9068	3/0(19x)	0.92	30	0.99	14x14	1.23	1179	1270	325	260	350	285
●140-23-9046	4/0(19x)	0.95	24	1.02	18x14	1.26	1367	1445	365	300	395	325
●140-23-9231	250(37x)	1.00	24	1.07	14x12	1.34	1592	1674	395	325	430	355
●140-23-9234	350(37x)	1.10	24	1.16	18x12	1.43	2030	2173	475	390	515	425
●140-23-9087	500(37x)	1.21	24	1.28	18x.0953	1.58	2720	2906	555	455	610	500
●140-23-9096	750(61x)	1.39	24	1.46	24x.1010	1.83	3913	4197	650	545	710	600
●140-23-9048	1000(61x)	1.54	24	1.60	24x.1167	2.01	5065	5387	815	685	885	750

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

▲Authorized stock item - Available from Customer Service Centers. ● Items use component core for quicker delivery
*141-23-9460 is listed and printed with UL's MV-90 rating on jacket. All other cables shown are available with same listing on special order.
(1) Individual wire size and count may vary. The resulting combination meets 1/3 or full neutral, size requirements.
** When component core is used, insulation screen thickness per ICEA S-93-639 and S-97-682.

Okoguard® URO-J

Copper Compact Round Conductor/105ºC Rating
(with ICEA S-94-649 Insulation Screen Thickness)**

Catalog Number	Conductor Size AWG/kcmil	Nominal Dia. over Insulation (in.)	Insulation Screen Thickness (mils)	Nominal Dia. over Insulation Screen (in.)	Copper Neutral No. x AWG (1)	Nominal O.D. (in.)	Approx. Net Weight (lbs./1000')	Approx. Ship Weight (lbs./1000')	90ºC Ampacity Direct Burial (2)	90ºC Ampacity Duct (2)	105ºC Ampacity Direct Burial (2)	105ºC Ampacity Duct (2)
25kV - 260 mils (6.60mm), 100% Insulation Level												
Full Neutral												
141-23-4166	1(19x)	0.87	30	0.95	14x12	1.22	1040	1129	235	180	260	200
141-23-4172	1/0(19x)	0.91	30	0.99	16x12	1.26	1170	1285	270	205	290	225
141-23-4175	2/0(19x)	0.95	30	1.03	14x10	1.34	1434	1553	310	235	335	255
141-23-4178	3/0(19x)	1.00	30	1.07	16x10	1.39	1634	1787	350	265	380	290
141-23-4181	4/0(19x)	1.05	40	1.15	18x.1073	1.48	1966	2128	405	305	440	330
1/3 Neutral												
140-23-4166	1(19x)	0.87	30	0.95	7x14	1.19	839	952	220	180	240	195
140-23-4172	1/0(19x)	0.91	30	0.99	9x14	1.22	956	1070	250	200	275	220
140-23-4175	2/0(19x)	0.95	30	1.03	11x14	1.26	1092	1206	285	230	310	250
140-23-4178	3/0(19x)	1.00	30	1.07	14x14	1.31	1266	1381	325	260	350	285
140-23-4181	4/0(19x)	1.05	40	1.15	18x14	1.39	1513	1665	365	300	395	325
140-23-4184	250(37x)	1.11	40	1.21	14x12	1.48	1750	1912	395	325	430	355
140-23-4190	350(37x)	1.20	40	1.30	18x12	1.57	2199	2384	475	390	515	425
140-23-4193	500(37x)	1.32	40	1.42	18x.0953	1.78	2969	3197	555	455	610	500
140-23-4197	750(61x)	1.50	40	1.60	24x.1010	1.97	4128	4434	650	545	710	600
140-23-4199	1000(61x)	1.64	55	1.78	24x.1167	2.19	5364	5765	815	685	885	750
35kV - 345 mils (8.76mm), 100% Insulation Level												
Full Neutral												
141-23-9822	1/0(19x)	1.09	40	1.19	16x12	1.46	1404	1544	270	205	290	225
141-23-9825	2/0(19x)	1.13	40	1.23	14x10	1.55	1677	1791	310	235	335	255
141-23-9828	3/0(19x)	1.18	40	1.28	16x10	1.59	1886	2030	350	265	380	290
141-23-9831	4/0(19x)	1.23	40	1.33	18x.1073	1.72	2263	2327	405	305	440	330
1/3 Neutral												
140-23-9822	1/0(19x)	1.09	40	1.19	9x14	1.43	1185	1325	250	200	275	220
140-23-9825	2/0(19x)	1.13	40	1.23	11x14	1.46	1319	1473	285	230	310	250
140-23-9828	3/0(19x)	1.18	40	1.28	14x14	1.52	1512	1655	325	260	350	285
140-23-9831	4/0(19x)	1.23	40	1.33	18x14	1.57	1739	1867	365	300	395	325
140-23-9834	250(37x)	1.28	40	1.38	14x12	1.65	1976	2100	395	325	430	355
140-23-9839	350(37x)	1.37	40	1.47	18x12	1.81	2502	2667	475	390	515	425
●140-23-9841	500(37x)	1.47	24	1.54	18x.0953	1.91	3160	3496	555	455	610	500
140-23-9846	750(61x)	1.67	55	1.80	24x.1010	2.18	4505	4924	650	545	710	600
140-23-9848	1000(61x)	1.81	55	1.95	24x.1167	2.36	5691	6219	815	685	885	750
35kV - 420 mils (10.67mm), 133% Insulation Level												
Full Neutral												
141-23-9922	1/0(19x)	1.25	40	1.35	16x12	1.62	1606	1745	265	210	285	230
141-23-9925	2/0(19x)	1.29	40	1.39	14x10	1.77	1950	2085	305	235	330	255
141-23-9928	3/0(19x)	1.34	40	1.44	16x10	1.81	2168	2332	345	270	375	295
141-23-9931	4/0(19x)	1.39	40	1.49	18x.1073	1.88	2494	2662	395	305	430	330
1/3 Neutral												
140-23-9922	1/0(19x)	1.25	40	1.35	9x14	1.59	1384	1523	250	210	270	230
140-23-9924	2/0(19x)	1.28	40	1.38	11x14	1.68	1576	1677	280	235	305	260
140-23-9927	3/0(19x)	1.34	40	1.44	14x14	1.74	1784	1948	320	265	345	290
140-23-9928	4/0(19x)	1.39	40	1.49	18x14	1.79	2021	2169	360	300	395	330
140-23-9930	250(37x)	1.44	40	1.54	14x12	1.87	2269	2438	390	330	425	365
140-23-9939	350(37x)	1.53	40	1.63	18x12	1.96	2757	3014	470	400	510	435
●140-23-9947	500(37x)	1.62	24	1.69	18x.0953	2.06	3424	3756	555	470	605	515
140-23-9948	750(61x)	1.82	55	1.96	24x.1010	2.34	4801	5380	650	560	710	620
140-23-9949	1000(61x)	1.97	55	2.11	24x.1167	2.51	6011	6547	815	700	885	770

Okonite's web site, www.okonite.com contains the most up to date information.
●Items use component core for quicker delivery.
*141-23-9460 is listed and printed with UL's MV-90 rating on jacket. All other cables shown are available with same listing on special order.
**When component core is used, insulation screen thickness per ICEA S-93-639 and S-97-682.

Okoguard® URO-J

15kV to 35kV Underground Primary Distribution Cable
Jacketed - Red Identification Stripes
Copper Conductor/105ºC Rating 100% and 133% Insulation Level

Table CN Insulation Screen Thickness* per ICEA S-94-649 (for Traditional Concentric Neutral Shield)	
Calculated Minimum Diameter over Insulation (In.)	Minimum Point (mils)
0 - 1.000	30
1.001 - 1.500	40
1.5001 - 2.000	55
2.001 - larger	55

Table CT Insulation Screen Thickness* per ICEA S-93-639 (for Traditional Copper Tape Shield)	
Calculated Minimum Diameter over Insulation (In.)	Minimum Point (mils)
ALL	24

***Insulation Screens:** Two insulation screen thicknesses are available:
Cables with Compressed Round Copper Conductor (Table CN):
Have extruded semiconducting ethylene-propylene rubber insulation screens that meet the requirements of ICEA S-94-649 and AEIC CS8.
Cables with Compact Round Copper Conductor (Table CT):
Have extruded semiconducting ethylene-propylene rubber insulation screens that meet the requirements of ICEA S-93-639/NEMA WC74 & S-97-682, AEIC CS8 and UL 1072, when component core is used.

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

Ampacities
(2)Full neutral, single phase ampacities are based on ICEA P-117-734 for 90ºC or 105ºC conductor temperature, 25ºC ambient temperature, 100% load factor, and earth thermal resistivity of RHO 90.
One third neutral ampacities are based on triplexed or triangular configuration for the same conditions stated above.

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