

ASTM B-230 Aluminum Wire, 1350-H19 for Electrical Purposes.

ASTM B-231 Aluminum Conductors, Concentric-Lay-Stranded.

ASTM B-232 Aluminum Conductors, Concentric-Lay-Stranded, Coated Steel Reinforced (ACSR).

ASTM B-399 Concentric-Lay-Stranded 6201-T81 Aluminum Alloy Conductors.

ASTM D-1248 Polyethylene plastics molding and extrusion materials.

ANSI C-8.35 Specifications for weather-resistant polyethylene-covered wire and cable.

ICEA S-61-402 Thermoplastic Insulated Wire & Cable for the Transmission & Distribution 1996

ICEA S-76-474 Neutral supported power cable assemblies with weather resistant extruded insulation rated at 600V

ICEA S-66-524 Cross-Linked Polyethylene Insulated Wire & Cable for Transmission & Distribution 1998

Code Name	Phase conductor				Bare Neutral Message		Nominal Weight ( kg/km )			Allowable Ampacity ( A )
	Size & No.of wires	Insulation Thick(mm)	Nominal Diameter (mm)		Size & No.of wires	Rated Strength (kg)	XLPE	Aluminum	Total	
			Bare	OD						
AAAC										
Homarus	6-Solid	1.14	4.115	6.4	6-7	499	42	118	159	78
Minex	6-Solid	1.14	4.115	13.3	6-7	499	42	118	159	78
Cabera	6-7	1.14	4.65	6.9	6-7	499	48	118	165	78
Hippa	6-7	1.14	4.65	6.9	6-7	499	48	118	165	78
Artemia	4-Solid	1.14	5.182	7.5	6-7	499	52	162	214	103
Maria	4-7	1.14	5.89	8.2	6-7	499	60	188	247	103
Crab	4-7	1.14	5.89	8.2	6-7	499	60	162	222	103
Ludia	4-Solid	1.14	5.182	7.5	6-7	499	52	162	214	103
Prawn	4-Solid	1.14	5.182	7.5	4-7	798	52	188	240	103
Metalia	4-7	1.14	5.89	8.2	4-7	798	60	188	247	103
Barnacles	4-7	1.14	5.89	8.2	4-7	798	60	188	247	103
Solaster	2-7	1.14	7.42	9.7	4-7	798	76	258	333	136
Pagarus	2-7	1.52	7.42	10.5	4-7	798	100	258	357	136
Shrimp	2-7	1.14	7.42	9.7	2-7	1270	76	298	374	136
Lobster	2-7	1.52	7.42	10.5	2-7	1270	100	298	397	136
Encope	1-19	1.52	8.43	11.5	2-7	1270	115	347	461	158
Sanderab	1/0-7	1.52	9.35	12.4	2-7	1270	128	409	537	182
Echinus	1/0-19	1.52	9.47	12.5	2-7	1270	130	409	539	182
Gammarus	1/0-7	1.52	9.35	12.4	1/0-7	2023	128	473	601	182
Leda	1/0-19	1.52	9.47	12.5	1/0-7	2023	130	473	603	182
Crayfish	2/0-7	1.52	10.5	13.6	2-7	1270	146	487	631	210
Sipho	2/0-19	1.52	10.6	13.7	2-7	1270	147	487	634	210
Dungenese	2/0-7	1.52	10.5	13.6	2/0-7	2445	146	595	740	210
Cyclops	2/0-7	1.52	10.6	13.7	2/0-7	2445	147	595	743	210
Slug	3/0-7	1.52	11.8	14.8	1/0-7	2023	165	650	816	242
Fulgur	3/0-19	1.52	11.9	15	1/0-7	2023	168	650	819	242
Balanus	3/0-19	2.03	11.9	16	1/0-7	2023	216	650	868	242
Stonecrab	3/0-7	1.52	11.8	14.8	3/0-7	3080	165	752	917	242
Flustra	3/0-7	1.52	11.9	15	3/0-7	3080	168	752	920	242
Crisia	3/0-19	2.03	11.9	16	3/0-7	3080	216	752	969	242
Squid	4/0-7	1.52	13.3	16.3	2/0-7	2431	191	820	1011	279
Area	4/0-19	1.52	13.4	16.5	2/0-7	2431	192	820	1012	279

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ICEA S-76-474 Neutral supported power cable assemblies with weather resistant extruded insulation rated at 600V

ICEA S-66-524 Cross-Linked Polyethylene Insulated Wire & Cable for Transmission & Distribution 1998

Code Name	Phase conductor				Bare Neutral Message		Nominal Weight ( kg/km )			Allowable Ampacity ( A )
	Size & No.of wires	Insulation Thick(mm)	Nominal Diameter (mm)		Size & No.of wires	Rated Strength (kg)	XLPE	Aluminum	Total	
			Bare	OD						
<b>Bugula</b>	4/0-19	2.03	13.4	17.5	2/0-7	2431	246	820	1066	279
<b>Kingerab</b>	4/0-7	1.52	13.3	16.3	4/0-7	3883	191	948	1137	279
<b>Lepas</b>	4/0-19	1.52	13.4	16.5	4/0-7	3883	192	948	1140	279
<b>Cassi</b>	4/0-19	2.03	13.4	17.5	4/0-7	3883	246	948	1194	279

ACSR

<b>Paludina</b>	6-Solid	1.14	4.115	6.401	6-6/1	540	42	112	170	79
<b>Voluta</b>	6-7	1.14	4.67	6.96	6-6/1	540	48	112	176	79
<b>Bolma</b>	6-7	1.52	4.67	7.722	6-6/1	540	64	112	194	79
<b>Scallop</b>	6-Solid	1.14	5.182	7.468	6-6/1	540	52	155	225	138
<b>Stombus</b>	4-7	1.14	5.89	8.179	6-6/1	540	60	155	232	138
<b>Carnea</b>	4-7	1.52	5.89	8.941	6-6/1	540	80	155	253	138
<b>Whelk</b>	4-Solid	1.14	5.182	7.468	4-6/1	844	52	177	258	138
<b>Periwinkle</b>	4-7	1.14	5.89	8.179	4-6/1	844	60	177	263	138
<b>Calma</b>	4-7	1.52	5.89	8.941	4-6/1	844	80	177	284	138
<b>Cockle</b>	2-7	1.14	5.89	8.179	4-6/1	844	60	247	335	183
<b>Gebia</b>	2-7	1.52	5.89	8.941	4-6/1	844	80	247	354	183
<b>Conch</b>	2-7	1.14	5.89	8.179	2-6/1	1293	60	281	384	183
<b>Uca</b>	2-7	1.52	5.89	8.941	2-6/1	1293	80	281	405	183
<b>Vemeths</b>	1-7	1.52	8.33	11.379	1-6/1	1610	113	354	522	210
<b>Atya</b>	1-19	1.52	8.33	11.379	1-6/1	1610	113	430	524	210
<b>Janthina</b>	1/0-7	1.52	8.33	11.379	2-6/1	1293	113	393	549	242
<b>Ranella</b>	1/0-19	1.52	9.47	12.522	2-6/1	1293	130	393	566	242
<b>Neritina</b>	1/0-7	1.52	9.35	12.395	1/0-6/1	1987	128	448	644	242
<b>Cenia</b>	1/0-19	1.52	9.47	12.522	1/0-6/1	1987	130	448	646	242
<b>Cavolinia</b>	2/0-7	1.52	10.5	13.564	1-6/1	1610	146	496	697	279

AAC

<b>Halotis</b>	6-Solid	1.14	4.115	6.4	6-7	255	42	110	152	78
<b>Pike</b>	6-7	0.76	4.67	6.2	6-7	255	31	112	143	78
<b>Fusus</b>	4-Solid	1.14	5.182	7.5	4-7	400	52	177	229	103
<b>Oyster</b>	4-7	1.14	5.89	8.2	4-7	400	76	177	237	103
<b>Clam</b>	2-7	1.14	7.42	9.7	2-7	612	100	281	359	136
<b>Pyruia</b>	1-7	1.52	8.33	11.4	1-7	744	113	356	467	158
<b>Hyas</b>	1-19	1.52	8.43	11.5	1-7	744	115	356	469	158

Triplex Conductor Service Drop Aluminum Conductor Cable PE OR XLPE Insulated

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			Bare	OD						
<b>Murex</b>	1/0-7	1.52	9.35	12.4	1/0-7	903	128	385	513	182
<b>Purpura</b>	1/0-19	1.52	9.47	12.5	1/0-7	903	130	385	515	182
<b>Nasa</b>	2/0-7	1.52	10.52	13.6	2/0-7	1139	146	566	710	210
<b>Trophon</b>	2/0-7	1.52	10.64	13.7	2/0-7	1139	147	566	713	210
<b>Quahog</b>	3/0-7	2.03	11.79	15.9	3/0-7	1379	214	713	926	242
<b>Lone</b>	2/0-19	2.03	11.94	16	3/0-7	1379	217	713	929	242
<b>Melita</b>	3/0-19	1.52	11.94	15	3/0-19	1501	168	713	881	242
<b>Coquina</b>	4/0-7	1.52	13.26	16.3	4/0-7	1737	191	899	1089	279
<b>Tusk</b>	4/0-7	2.03	13.26	17.3	4/0-7	1737	243	899	1141	279
<b>Apus</b>	4/0-19	2.03	13.41	17.5	4/0-7	1737	246	899	1144	279
<b>Portunus</b>	4/0-19	1.52	13.41	16.5	4/0-19	1823	194	899	1091	279
<b>Chiton</b>	266.8-19	2.03	14.88	18.9	266.8-19	2254	277	1133	1409	310
<b>Nannynose</b>	336.4-19	2.03	16.92	21	336.4-19	2790	321	1427	1749	330