EPSILON CABLE ECRC® Conductor Data Sheets															
Conductor designation				**Aluminum Section**	**Diameter**	**Core Diameter**	**Weight**	**Core Rated Strength**	**Cond. Rated Strength**	**DC at 20°C / 68°F**	**AC at 25°C / 77°F**	**AC at 75°C / 167°F**	**AC at 180°C / 356°F**	**Ampacity (1)**	
Reference	Technical designation	International Size	ASTM Size	(kcmil)	(inch)	(inch)	(lb/kft)	(kips)	(kips)	(Ohm/mile)	(Ohm/mile)	(Ohm/mile)	(Ohm/mile)	75°C /167°F	180°C /356°F
ECRC 130 - 28	ECRC 130-AL0/28-L1	SILVASSA	-	243	0.565	0.235	263.8	13.4	15.1	0.3664	0.3747	0.4484	0.6032	432	723
ECRC 160 - 28	ECRC 160-AL0/28-L1	HELSINKI	PASADENA	301	0.616	0.235	318.9	13.4	15.5	0.2955	0.3024	0.3618	0.4866	492	827
ECRC 160 - 47	ECRC 160-AL0/47-S1	JAIPUR	-	304	0.650	0.305	344.8	23.8	25.9	0.2932	0.3002	0.3591	0.4829	501	844
ECRC 180 - 40	ECRC 180-AL0/40-S1	ZADAR	-	350	0.673	0.280	379.6	20.0	22.4	0.2540	0.2603	0.3112	0.4184	543	917
ECRC 190 - 28	ECRC 190-AL0/28-L1	ROVINJ	-	373	0.673	0.235	386.9	13.4	16.0	0.2383	0.2444	0.2922	0.3928	560	946
ECRC 230 - 28	ECRC 230-AL0/28-L1	COPENHAGEN	LINNET	437	0.720	0.235	446.6	13.4	16.4	0.2036	0.2092	0.2499	0.3358	617	1,046
ECRC 230 - 40	ECRC 230-AL0/40-S1	REYKJAVIK	ORIOLE	440	0.741	0.280	464.2	20.0	23.0	0.2020	0.2075	0.2480	0.3331	624	1,059
ECRC 230 - 87	ECRC 230-AL0/87-S1	MONTE CARLO	-	452	0.818	0.415	535.3	44.0	47.1	0.1972	0.2026	0.2421	0.3252	649	1,106
ECRC 240 - 47	ECRC 240-AL0/47-S1	GLASGOW	WACO	470	0.770	0.305	501.5	23.8	27.0	0.1893	0.1947	0.2325	0.3123	651	1,107
ECRC 250 - 28	ECRC 250-AL0/28-L1	GDANSK	-	488	0.756	0.235	495.0	13.4	16.8	0.1820	0.1873	0.2237	0.3004	661	1,123
ECRC 280 - 40	ECRC 280-AL0/40-S1	CASABLANCA	LAREDO	544	0.807	0.280	561.4	20.0	23.7	0.1635	0.1686	0.2013	0.2701	709	1,209
ECRC 320 - 60	ECRC 320-AL0/60-S1	OSLO	IRVING	622	0.882	0.345	660.9	30.4	34.7	0.1431	0.1480	0.1765	0.2366	776	1,329
ECRC 320 - 40	ECRC 320-AL0/40-S1	LISBON	HAWK	625	0.858	0.280	638.0	20.0	24.3	0.1423	0.1472	0.1756	0.2353	772	1,321
ECRC 370 - 47	ECRC 370-AL0/47-S1	AMSTERDAM	DOVE	728	0.927	0.305	744.1	23.8	28.8	0.1221	0.1270	0.1513	0.2024	850	1,460
ECRC 410 - 47	ECRC 410-AL0/47-S1	CORDOBA	-	790	0.962	0.305	802.3	23.8	29.2	0.1127	0.1175	0.1398	0.1869	893	1,538
ECRC 430 - 52	ECRC 430-AL0/52-S1	BRUSSELS	GROSBEAK	832	0.989	0.320	848.1	26.2	31.9	0.1069	0.1118	0.1329	0.1775	923	1,593
ECRC 470 - 60	ECRC 470-AL0/60-S1	STOCKHOLM	LUBBOCK	914	1.039	0.345	935.7	30.4	36.7	0.0972	0.1022	0.1213	0.1618	979	1,695
ECRC 520 - 60	ECRC 520-AL0/60-S1	WARSAW	GALVESTON	1,013	1.091	0.345	1,029.8	30.4	37.3	0.0879	0.0930	0.1101	0.1466	1,041	1,810
ECRC 530 - 71	ECRC 530-AL0/71-S1	DUBLIN	DRAKE	1,036	1.109	0.375	1,063.7	36.0	43.1	0.0858	0.0909	0.1077	0.1432	1,058	1,841
ECRC 560 - 60	ECRC 560-AL0/60-S1	HAMBURG	PLANO	1,088	1.127	0.345	1,101.0	30.4	37.8	0.0818	0.0870	0.1029	0.1367	1,087	1,894
ECRC 580 - 60	ECRC 580-AL0/60-S1	MILAN	CORPUS CHRISTI	1,130	1.146	0.345	1,140.0	30.4	38.1	0.0789	0.0841	0.0994	0.1320	1,111	1,938
ECRC 600 - 71	ECRC 600-AL0/71-S1	ROME	ARLINGTON	1,175	1.176	0.375	1,195.4	36.0	44.0	0.0758	0.0811	0.0958	0.1271	1,140	1,993
ECRC 640 - 60	ECRC 640-AL0/60-S1	VIENNA	CARDINAL	1,244	1.198	0.345	1,248.2	30.4	38.9	0.0716	0.0771	0.0909	0.1204	1,176	2,060
ECRC 680 - 71	ECRC 680-AL0/71-S1	BUDAPEST	FORT WORTH	1,323	1.240	0.375	1,335.8	36.0	45.0	0.0673	0.0729	0.0858	0.1134	1,222	2,148
ECRC 700 - 60	ECRC 700-AL0/60-S1	PRAGUE	EL PASO	1,373	1.252	0.345	1,369.1	30.4	39.8	0.0649	0.0706	0.0830	0.1095	1,246	2,193
ECRC 740 - 71	ECRC 740-AL0/71-S1	MUNICH	BEAUMONT	1,456	1.294	0.375	1,460.8	36.0	45.9	0.0612	0.0670	0.0786	0.1036	1,292	2,280
ECRC 750 - 87	ECRC 750-AL0/87-S1	WARWICK	-	1,482	1.315	0.415	1,502.4	44.0	54.1	0.0600	0.0659	0.0773	0.1018	1,308	2,312
ECRC 770 - 75	ECRC 770-AL0/75-S1	LONDON	SAN ANTONIO	1,503	1.316	0.385	1,510.6	37.9	48.2	0.0592	0.0652	0.0764	0.1005	1,317	2,328
ECRC 820 - 60	ECRC 820-AL0/60-S1	PARIS	BITTERN	1,608	1.346	0.345	1,590.2	30.4	41.4	0.0554	0.0615	0.0719	0.0943	1,366	2,421
ECRC 880 - 87	ECRC 880-AL0/87-S1	BORDEAUX	-	1,725	1.408	0.415	1,733.1	44.0	55.8	0.0515	0.0579	0.0675	0.0882	1,427	2,542
ECRC 950 - 75	ECRC 950-AL0/75-S1	ANTWERP	DALLAS	1,862	1.453	0.385	1,848.6	37.9	50.6	0.0478	0.0545	0.0633	0.0824	1,487	2,659
ECRC 1020 - 75	ECRC 1020-AL0/75-S1	MADRID	LAPWING	1,999	1.503	0.385	1,978.3	37.9	51.6	0.0446	0.0515	0.0597	0.0773	1,546	2,776
ECRC 1160 - 79	ECRC 1160-AL0/79-S1	-	CHUKAR	2,282	1.604	0.395	2,253.1	39.9	55.5	0.0391	0.0466	0.0536	0.0688	1,662	3,009

(1) Ampacity values based on IEEE Standard 738-2012, according to the following data: 60 Hz, zero elevation, 25˚C (77°F) ambient temperature, 0.5 Solar Absorbtivity, 0.6 Emissivity, 0.61 m/s (2 ft/s) wind and 1000 W/m² (92.9 W/ft²), at corresponding surface temperatures. Coefficient of thermal resistance is 0.00403°C-1/0.002089°F-1 for US sizes.

Depending on conductor manufacturer rated specifications may slightly change.

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