Ultra Low Sag (ULS)				EPSILON CABLE HVCRC® ULS Conductor Data Sheets											
HVCRC®ULS				Aluminum Cross sectional area	Diameter	Core Diameter	Weight	Core Rated Strength	Cond. Rated Strength	DC at 20°C	AC at 25°C	AC at 75°C	AC at 180°C	Ampacity [1]	
Reference	Technical designation	International Size	ASTM Size	(mm²)	(mm)	(mm)	(Kg/Km)	(KN)	(KN)	(Ohm/km)	(Ohm/km)	(Ohm/km)	(Ohm/km)	75°C	180°C
HVCRC® ULS 230 - 87	ECRC® 230-AL0/87-X1	MONTE CARLO	-	229	20.78	10.54	798.3	225.6	239.4	0.1225	0.1256	0.1502	0.2019	650	1,107
HVCRC® ULS 320 - 60	ECRC® 320-AL0/60-X1	OSLO	IRVING	315	22.4	8.76	984.7	155.9	174.8	0.0889	0.0916	0.1094	0.1468	777	1,330
HVCRC® ULS 380 - 87	ECRC® 380-AL0/87-X1	VANCOUVER	-	383	25	10.54	1,225.4	225.6	248.6	0.0730	0.0756	0.0901	0.1208	882	1,519
HVCRC® ULS 470 - 60	ECRC® 470-AL0/60-X1	STOCKHOLM	LUBBOCK	463	26.4	8.76	1,393.7	155.9	183.7	0.0604	0.0629	0.0749	0.1002	982	1,698
HVCRC® ULS 520 - 60	ECRC® 520-AL0/60-X1	WARSAW	GALVESTON	513	27.72	8.76	1,533.7	155.9	186.6	0.0546	0.0571	0.0679	0.0907	1,045	1,813
HVCRC® ULS 530 - 71	ECRC® 530-AL0/71-X1	DUBLIN	DRAKE	525	28.17	9.53	1,584.4	184.5	215.9	0.0533	0.0559	0.0664	0.0886	1,062	1,844
HVCRC® ULS 560 - 60	ECRC® 560-AL0/60-X1	HAMBURG	PLANO	552	28.62	8.76	1,639.7	155.9	188.9	0.0508	0.0534	0.0634	0.0845	1,092	1,898
HVCRC® ULS 580 - 60	ECRC® 580-AL0/60-X1	MILAN	CORPUS CHRISTI	573	29.1	8.76	1,697.7	155.9	190.2	0.0490	0.0516	0.0612	0.0816	1,116	1,943
HVCRC® ULS 600 - 71	ECRC® 600-AL0/71-X1	ROME	ARLINGTON	595	29.87	9.53	1,780.4	184.5	220.2	0.0471	0.0497	0.0589	0.0785	1,145	1,998
HVCRC® ULS 640 - 60	ECRC® 640-AL0/60-X1	VIENNA	CARDINAL	630	30.42	8.76	1,858.7	155.9	193.7	0.0445	0.0472	0.0558	0.0743	1,183	2,066
HVCRC® ULS 680 - 71	ECRC® 680-AL0/71-X1	BUDAPEST	FORT WORTH	670	31.49	9.53	1,989.4	184.5	224.7	0.0418	0.0445	0.0526	0.0699	1,230	2,154
HVCRC® ULS 700 - 60	ECRC® 700-AL0/60-X1	PRAGUE	EL PASO	696	31.8	8.76	2,038.7	155.9	197.6	0.0403	0.0430	0.0509	0.0675	1,255	2,200
HVCRC® ULS 740 - 71	ECRC® 740-AL0/71-X1	MUNICH	BEAUMONT	738	32.87	9.53	2,175.4	184.5	228.7	0.0380	0.0408	0.0481	0.0638	1,301	2,288
HVCRC® ULS 750 - 87	ECRC® 750-AL0/87-X1	WARWICK	-	751	33.4	10.54	2,237.6	225.6	270.7	0.0373	0.0401	0.0473	0.0627	1,319	2,321
HVCRC® ULS 770 - 75	ECRC® 770-AL0/75-X1	LONDON	SAN ANTONIO	762	33.42	9.78	2,249.5	194.3	240.0	0.0368	0.0396	0.0467	0.0619	1,327	2,337
HVCRC® ULS 820 - 60	ECRC® 820-AL0/60-X1	PARIS	BITTERN	815	34.2	8.76	2,367.7	155.9	204.7	0.0344	0.0373	0.0439	0.0580	1,378	2,432
HVCRC® ULS 880 - 87	ECRC® 880-AL0/87-X1	BORDEAUX	-	874	35.76	10.54	2,580.9	225.6	278.1	0.0320	0.0350	0.0411	0.0542	1,442	2,556
HVCRC® ULS 950 - 75	ECRC® 950-AL0/75-X1	ANTWERP	DALLAS	944	36.9	9.78	2,752.5	194.3	250.9	0.0297	0.0328	0.0384	0.0505	1,504	2,675
HVCRC® ULS 1020 - 75	ECRC® 1020-AL0/75-X1	MADRID	LAPWING	1,013	38.18	9.78	2,945.5	194.3	255.0	0.0277	0.0309	0.0361	0.0473	1,566	2,796
HVCRC® ULS 1160 - 79	ECRC® 1160-AL0/79-X1	-	CHUKAR	1,156	40.74	10.03	3,352.2	204.3	273.7	0.0243	0.0278	0.0323	0.0419	1,688	3,036

(1) Ampacity values based on IEEE Standard 738-2012, according to the following data: 50 Hz, zero elevation, 25˚C ambient temperature, 0.5 Solar Absorbtivity, 0.6 Emissivity, 0.61 m/sec wind and 1000 W/m², at corresponding surface temperatures. Coefficient of thermal resistance is 0.00403 for International sizes.
Depending on conductor manufacturer rated specifications may slightly change.