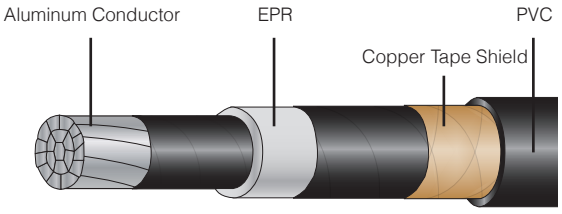
Aluminum Power Cable



15kV MV105

Aluminum 8000 Conductor
133% EPR Insulated, PVC Jacket
Copper Tape Shield

Part Number	Size AWG	Conductor Diameter		0220" (5.59mm) Insulation Diameter		Extruded Insulation Shield Diameter		Min. Point Jacket Thickness		Approx. Overall Diameter		Approx Net Weight	Allowable Ampacities*	
		inch	mm	inch	mm	inches	mm	inch	mm	inch	mm	lbs/mft	Duct	Conduit in Air
2-0115KVEPUCAL	2	.268	6.80	.759	19.27	.815	20.70	0.07	1.78	.982	24.94	488	130	130
1-0115KVEPUCAL	1	.299	7.59	.789	20.04	.845	21.46	0.07	1.78	1.012	25.70	523	145	150
1/0-0115KVEPUCAL	1/0	.336	8.53	.826	20.98	.882	22.40	0.07	1.78	1.049	26.64	575	165	170
2/0-0115KVEPUCAL	2/0	.376	9.55	.866	21.99	.922	23.41	0.07	1.78	1.089	27.66	627	190	200
3/0-0115KVEPUCAL	3/0	.423	10.74	.911	23.15	.967	24.56	0.07	1.78	1.134	28.80	690	215	225
4/0-0115KVEPUCAL	4/0	.475	12.06	.959	24.35	1.017	25.83	0.07	1.78	1.184	30.07	758	245	260
250-0115KVEPUCAL	250	.520	13.20	1.017	25.83	1.075	27.30	0.07	1.78	1.242	31.54	837	270	290
350-0115KVEPUCAL	350	.616	15.65	1.094	27.78	1.170	29.71	0.07	1.78	1.337	33.96	994	330	350
500-0115KVEPUCAL	500	.736	18.69	1.21	30.8	1.29	32.76	0.07	1.78	1.457	37.0	1217	400	430
750-0115KVEPUCAL	750	.908	23.06	1.396	35.45	1.47	37.33	0.07	1.78	1.639	41.6	1583	490	540
1000-0115KVEPUCAL	1000	1.06	26.92	1.546	39.26	1.62	41.21	0.07	2.54	1.852	47.0	2026	565	640

** Ampacities shown are for general use as specified by the National Electrical Code, 2011 Edition, Article 310.15*

- All drawings, designs, specifications, plans and particulars of weights, sizes and dimensions contained in the technical or commercial documentation of Houston Wire & Cable Company is indicative only and shall not be binding on Houston Wire & Cable Company or be treated as constituting a representation on the part of Houston Wire & Cable Company.

APPLICATION:
For use in aerial, direct burial, cable tray, conduit, and underground duct installations as permitted by the National Electric Code. The cable is capable of operating continuously with a conductor temperature not to exceed 105°C for normal operation, 140°C for emergency overload conditions, and 250°C for short circuit conditions. It is rated at 15,000V with 133% insulation level (ungrounded system). Maximum sidewall pressure is 1000 lbs. This cable does not require the use of pulling lubricant.

CONSTRUCTION:
Conductors: 8000 series aluminum compact conductor in accordance with ASTM specs B800and B801 and ICEA part 2, Section 2.1 and 2.5.
Insulation: Ethylene propylene rubber (EPR) with a nominal thickness of 0.220
Insulation Shield: Extruded layer of semi-conducting thermosetting material which shall be identified as being semi-conducting. Over this layer will be applied a helically wrapped 5-mil copper tape with 25% overlap.
Jacket: Sunlight resistant PVC per ICEA S-97-682, with average thickness in accordance to Table 7-3 of ICEA.
Flame Tests: UL 1685 – 1/0 and larger, UL-CT Flame Exposure Test

ADDITIONAL STANDARDS:
• UL 1685 – 1/0 and larger, UL-CT Flame Exposure Test
• UL 1072 – Medium Voltage Power Cables
• ICEA S-93-639 (NEMA WC74) – S=46kV Shielded Power Cable fo use in Transmission and Distribution of Electrical Energy