



Single Aluminum URD Cable

600V Single Aluminum Conductor Secondary UD Cable –1350-H19-AAC



SPECIFICATIONS AND STANDARDS

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

ASTM B231: Concentric Lay-Stranded Aluminum 1350 Conductors.

ASTM B-609: Aluminum 1350 Round Wire, Annealed and Intermediate Tempers, for Electrical Purposes.

ASTM B-901: Compressed Round Stranded Aluminum Conductors Using Single Input Wire.

Single Aluminum conductor 600 volt secondary UD cable meets or exceeds all applicable requirements of ICEA S-105-692 for cross-linked polyethylene insulated conductors and UL Standard 854 for Type USE-2.

CONSTRUCTION:

Conductors are stranded, compressed 1350-H19, H16 or H26 aluminum, insulated with cross-linked polyethylene (XLPE).

APPLICATIONS

Single Aluminum conductor UD cable is used for secondary distribution and underground service at 600 volts or less, either direct burial or in ducts.

Single Aluminum Conductor UD Cable manufactured to ASTM / ICEA:

Code Word	Size (AWG or kcmil)	Stranding	Insulation Thickness (mils)	Diameter (mils)		Weight Per 1000ft (lbs)	Allowable Ampacities+	
				Bare	Complete Cable		Direct Burial	In Duct
All Aluminum Conductor								
Princeton	6	7	60	178	298	44	90	65
Mercer	4	7	60	225	345	63	120	85
Clemson	2	7	60	283	403	92	155	115
Kenyon	1	9	80	313	473	121	175	130
Harvard	1/0	9	80	352	512	146	200	150
Yale	2/0	11	80	395	555	177	225	170
Tufts	3/0	17	80	443	603	215	250	195
Beloit	4/0	18	80	498	658	263	290	225
Hofstra	250	26	95	542	732	315	320	250
Gonzaga	300	37	95	594	784	369	355	280
Rutgers	350	37	95	641	831	422	385	305



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Emory	500	37	95	790	980	580	465	370
Duke	600	61	110	866	1086	699	510	410
Furman	700	61	110	935	1155	803	550	440
Sewanee	750	61	110	968	1188	854	580	470
Fordham	1000	61	110	1117	1337	1109	670	545

+Ampacity: 90°C conductor temperature, 20°C ambient temperature, RHO factor 90, 100% load factor for three conductor triplexed, 3 phase operation. For NEC Applications, use NEC Table 310.16 Ampacities.