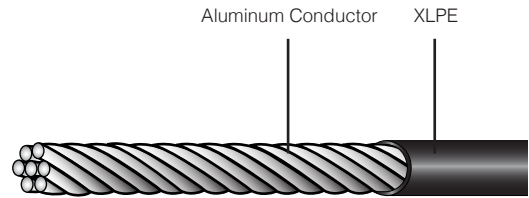


# Aluminum URD

## 600V SECONDARY URD

Concentric Lay  
Aluminum 1350 Conductors



Code Name	Size Stranding	Insulation Thickness		Nominal Diameter		Approx. Net Weight		Ampacity NEC1			Ampacity ICEA*	
		Inches	mm	Inches	mm	lb / kft.	kg/km	60°C	75°C	90°C	Direct Buried <sup>2</sup>	Pole Riser Conduit <sup>3</sup>
Single Conductor 600V Secondary URD												
Cornell	8 (7)	0.06	1.52	0.26	6.6	34	51	40	44	49	74	36
Princeton	6 (7)	0.06	1.52	0.3	7.6	47	70	46	56	59	96	47
Mercer	4 (7)	0.06	1.52	0.35	8.9	67	100	63	72	81	117	60
Clemson	2 (7)	0.06	1.52	0.41	10.4	97	144	86	100	108	154	82
Kenyon	1 (19)	0.08	2.03	0.49	12.4	128	190	98	111	124	171	97
Harvard	1/0 (19)	0.08	2.03	0.52	13.2	154	229	115	133	146	193	112
Yale	2/0 (19)	0.08	2.03	0.57	14.5	186	277	132	150	162	221	132
Tufts	3/0 (19)	0.08	2.03	0.62	15.7	225	335	150	172	189	253	155
Beloit	4/0 (19)	0.08	2.03	0.68	17.3	274	408	173	200	221	290	185
Hofstra	250 (37)	0.095	2.41	0.75	19.1	329	490	196	228	248	317	199
Gonzaga	300 (37)	0.095	2.41	0.81	20.6	385	573	224	255	281	349	223
Rutgers	350 (37)	0.095	2.41	0.85	21.6	439	653	242	278	302	381	248
Dartmouth	400 (37)	0.095	2.41	0.9	22.9	493	734	259	300	329	410	272
Brown	450 (37)	0.095	2.41	0.94	23.9	547	814	---	---	---	439	295
Emory	500 (37)	0.095	2.41	0.98	24.9	601	894	299	344	378	464	318
Duke	600 (61)	0.11	2.79	1.09	27.7	725	1079	328	377	416	514	355
Furman	700 (61)	0.11	2.79	1.16	29.5	830	1235	362	416	459	549	386
Sewanee	750 (61)	0.11	2.79	1.19	30.2	883	1314	368	427	470	567	403
Fordham	1000 (61)	0.11	2.79	1.34	34	1144	1702	431	494	540	665	492

\* Ampacity based on 40°C ambient temperature, crosswind at 2ft/s, and no sun.

- 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. All data subject to change without notice.

### APPLICATION:

The cable is rated at 600V for underground secondary distribution not exceeding 90°C. It may be directly buried in earth or installed in duct in both wet or dry locations.

### CONSTRUCTION:

**Conductors:** Class B compressed concentric lay stranded 1350 aluminum alloy per ASTM B231 or AA-8000 aluminum alloy per ASTM B800 & B801.

**Insulation:** Phase conductors in black thermoset cross-linked polyethylene (XLPE). Neutral conductor in black thermoset cross-linked polyethylene (XLPE) identified by yellow striping or full yellow jacket.

### PRODUCT FEATURES:

- Individual cables are UL Listed as USE-2
- RUS accepted
- Temperature rating of 90°C dry, wet, and direct burial
- Heat, ozone, oil, and chemical resistant
- Tear and abrasion resistant

### CONFIGURATION:

Black phase insulated conductors cabled with neutral. Neutral will be marked with yellow striping or yellow jacket.

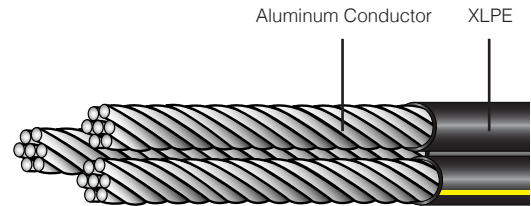
### ADDITIONAL STANDARDS:

- ICEA S-105-692: 600V Single layer thermoset insulated utility underground distribution cable
- UL854: Service Entrance Cables
- RUS accepted

# ALUMINUM WIRE & CABLE Aluminum URD

## 600V SECONDARY URD

### Concentric Lay Aluminum 1350 Conductors



Code Name	Phase Conductor			Neutral			Diameter (mils.)		Weight/kft. (lbs.)	Allowable Ampacities*	
	AWG	Stranding	Insulation Thickness	AWG	Stranding	Insulation Thickness	Single Phase Cond.	Complete Cable		Direct Burial	In Ducts
Duplex 600V Secondary URD											
Bard	8	7	60	8	7	60	262	524	76	70	55
Clafin	6	7	60	6	7	60	298	596	91	95	70
Delgado	4	7	60	4	7	60	345	690	129	125	90
Everett	2	7	60	2	7	60	403	806	189	187	100
Triplex 600V Secondary URD											
Erskine	6	7	60	6	7	60	298	644	136	95	70
Vassar	4	7	60	4	7	60	345	745	194	125	90
Stephens	2	7	60	4	7	60	403	870	260	165	120
Ramapo	2	7	60	2	7	60	403	870	290	165	120
Brenau	1/0	19	80	2	7	60	512	1106	409	215	160
Bergen	1/0	19	80	1/0	19	80	512	1106	476	215	160
Converse	2/0	19	80	1	19	80	555	1199	490	245	180
Hunter	2/0	19	80	2/0	19	80	555	1199	540	245	180
Hollins	3/0	19	80	1/0	19	80	603	1302	586	280	205
Sweetbriar	4/0	19	80	2/0	19	80	658	1421	740	315	240
Monmouth	4/0	19	80	4/0	19	80	658	1421	847	315	240
Pratt	250	37	95	3/0	19	80	732	1581	857	345	265
Wesleyan	350	37	95	4/0	19	80	831	1795	1135	415	320
Rider	500	37	95	350	37	95	980	2117	1248	495	395
Quadruplex 600V Secondary URD											
Tulsa	4	7	60	4	7	60	345	833	258	120	85
Dyke	2	7	60	4	7	60	403	973	367	155	115
Wittenberg	2	7	60	2	7	60	403	973	375	155	115
Notre Dame	1/0	19	80	2	7	60	512	1236	574	200	150
Purdue	1/0	19	80	1/0	19	80	512	1236	596	200	150
Syracuse	2/0	19	80	1	19	80	555	1340	664	225	170
Lafayette	2/0	19	80	2/0	19	80	555	1340	720	225	170
Swarthmore	3/0	19	80	1/0	19	80	603	1456	805	250	195
Davidson	3/0	19	80	3/0	19	80	603	1456	874	250	195
Wake Forest	4/0	19	80	2/0	19	80	658	1588	1036	290	225
Earlham	4/0	19	80	4/0	19	80	658	1588	1066	290	225
Rust	250	37	95	3/0	19	80	760	1830	1213	325	210
Slippery Rock	350	37	95	4/0	19	80	831	1945	1544	385	305
Wofford	500	37	95	350	37	95	990	2390	2251	467	420
Windham	750	61	110	500	37	95	1200	2890	3266	615	492

\* Ampacity based on 40°C ambient temperature, crosswind at 2ft/s, and no sun.

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See product application, construction, features, configurations and additional standards on page 18.

Secondary  
Underground  
Distribution