

Single Aluminum Conductor 600V URD



APPLICATION:

Aluminum 600V URD cable is designed for use in secondary distribution circuits, where installed in duct or direct burial applications. Maximum operating temperature is not to exceed 90°C in wet and dry locations. Voltage rating is 600 volts. As an option, this cable can be provided pre-pulled into duct.

CONDUCTORS:

- Concentric stranded or compressed 1350-H19 series aluminum conductor

INSULATION:

- Black sunlight resistant cross-linked polyethylene (XLP) insulation

STANDARDS:

- ASTM B230, 231
- ASTM B901
- UL 854
- ICEA S-105-692
- RUS ACCEPTED

Part Number	Conductor Size	No. of Strands	Insulation Thickness	Overall Diameter	Weight		Ampacity*	
					Aluminum	Total	Direct Buried	In Duct
	AWG/kcmil		mils	inches	lbs/kft		amps	
Princeton	6	7	60	0.309	25	45	90	65
Mercer	4	7	60	0.357	39	64	120	85
Clemson	2	7	60	0.418	62	93	155	115
Kenyon	1	19	80	0.500	78	122	175	130
Harvard	1/0	19	80	0.540	99	148	200	150
Yale	2/0	19	80	0.586	125	179	225	170
Tufts	3/0	19	80	0.638	157	217	250	195
Beloit	4/0	19	80	0.696	198	265	290	225
Hofstra	250	37	95	0.774	234	317	320	250
Gonzaga	300	37	95	0.829	281	371	355	280
Rutgers	350	37	95	0.880	328	423	385	305
Dartmouth	400	37	95	0.930	376	476	410	325
Emory	500	37	95	1.012	469	571	465	370
Duke	600	61	110	1.124	562	701	510	410
Furman	700	61	110	1.195	656	804	550	440
Sewanee	750	61	110	1.229	703	855	580	470
Fordham	1000	61	110	1.383	937	1109	670	545

All values are nominal and subject to correction.

*Ampacity: for 3 cables triplexed, 90°C conductor temperature, 20°C ambient temperature, RHO 90, 100% load factor.

