



Voltage

600V

Construction

Sino-cables type URD are manufactured with compacted 1350 aluminum or 8000 series aluminum alloy conductor insulated with black XLPE. Two or three insulated conductors and an neutral wire are cabled together.

Single core, duplex, triplex, quadruplex are available.

Standard

ASTM B231, B800, UL854, ICEA S-76-474, [or other standards required by customers.](#)

Features

Max permissible continuous operating temperature of conductor shall not exceed 90°C.

Applications

Sino cables type URD is used for secondary distribution and underground service at 600 volts or less, either direct burial or in ducts.

Package

coil, steel/wooden reel, wooden reel or steel reel.



www.sino-cables.com

Yongtong Avenue,
Rudong Economic Development Area,
Jiangsu, China 226400

Single Conductor 600V UD

Conductor			Conductor Diameter	Insulation Thickness	Nominal O.D	Allowable Ampacities			Approx. Net Weight per 1,000 feet	Standard Package
Code Word	Size AWG or Kcmil	No. of Wires				60°C	75°C	90°C		
Princeton	6	7	169	60	289	40	50	70	45	1000
Mercer	4	7	213	60	333	55	65	85	64	1000
Clemson	2	7	268	60	388	75	90	110	93	1000
Kenyon	1	19	299	80	459	85	100	120	122	1000
Harvard	1/0	19	337	80	497	100	120	150	147	1000
Yale	2/0	19	377	80	537	115	135	165	179	1000
Tufts	3/0	19	425	80	585	130	155	190	218	1000
Beloit	4/0	19	476	80	636	150	180	225	266	1000
Hofstra	250	37	520	95	710	170	205	250	318	1000
Gonzaga	300	37	571	95	761	190	230	275	373	1000
Rutgers	350	37	618	95	808	210	250	305	428	1000
Dartmouth	400	37	657	95	847	225	270	330	481	1000
Emory	500	37	736	95	926	260	310	380	587	1000
Furman	700	61	878	110	1098	310	375	460	815	1000
Sewanee	750	61	906	110	1126	320	385	470	867	1000
Fordham	1000	61	1059	110	1279	375	445	540	1130	1000

* All values are nominal and subject to correction.

Secondary UD Duplex 600V

Code Word	Phase Conductor			Neutral			Diameter		Approx. Weight lb/1000ft	Allowable Ampacities (Raceway, Cable, Ducts)
	Size	Number Of wires	Insulation Thickness	Size	Number Of wires	Insulation Thickness	Single Phase Conductor	Complete Cable		
	AWG			in			AWG	in		
Bard	8	7	0.060	8	7	0.060	0.263	0.523	66	60
Clafin	6	7	0.060	6	7	0.060	0.298	0.596	91	70
Delgado	4	7	0.060	4	7	0.060	0.344	0.688	129	110

* All values are nominal and subject to correction.

Secondary UD Triplex 600V

Code Word	Conductor			Neutral			Diameter		Approx. Weight	Allowable Ampacities (Raceway, Cable, In Ducts)
	Size	No of Wires	Insulation Thickness	Size	No .of Wires	Insulation Thickness	Single Phase Conductor	Complete Cable		
	AWG or Kcmil		in	AWG or Kcmil		in	in			
Erskine	6	7	0.060	6	7	0.060	0.298	0.642	135	60
Vassar	4	7	0.060	4	7	0.060	0.344	0.742	193	75
Stephene	2	7	0.060	4	7	0.060	0.344	0.869	252	110
Ramapo	2	7	0.060	2	7	0.060	0.403	0.869	282	110
Bregen	1/0	19	0.080	2	7	0.060	0.403	1.123	392	150
Bergen	1/0	19	0.080	1/0	19	0.080	0.521	1.123	447	150
Converse	2/0	19	0.080	1	19	0.080	0.482	1.217	486	165
Hunter	2/0	19	0.080	2/0	19	0.080	0.565	1.217	543	165
Hollins	3/0	19	0.080	1/0	19	0.080	0.521	1.324	589	190
Rockland	3/0	19	0.080	3/0	19	0.080	0.614	1.324	660	190
Sweetbriar	4/0	19	0.080	2/0	19	0.080	0.565	1.447	719	225
Monmouth	4/0	19	0.080	4/0	19	0.080	0.672	1.447	807	225
Pratt	250	37	0.095	3/0	19	0.080	0.614	1.610	864	250
Wesleyan	350	37	0.095	4/0	19	0.080	0.672	1.833	1.133	305
Newark	350	37	0.095	350	37	0.095	0.896	1.931	1.459	305
Holyoke	500	37	0.095	300	37	0.095	0.801	2.112	1.562	380
Rider	500	37	0.095	350	37	0.095	0.850	2.112	1.617	380
Seton Hall	750	61	0.110	750	61	0.110	1.190	2.564	2.626	470

* All values are nominal and subject to correction.



Secondary UD quadruplex 600V

Code Word	Phase Conductor			Neutral			Diameter		Approx. Weight 1b/1000t	Allowable Ampacities (Raceway Cable In Ducts)
	Size	No of Wires	Insulation Thickness	Size	Number of Wires	Insulation Thickness	Single Phase Conductor	Complete Cable		
	AWG or Kcmil		in	AWG		in	in			
Tulsa	4	7	0.060	4	7	0.060	0.344	0.831	259	85
Dyke	2	7	0.060	4	7	0.060	0.403	0.973	348	110
Wittenberg	2	7	0.060	2	7	0.060	0.403	0.973	378	110
Notre Dame	1/0	19	0.080	2	7	0.060	0.521	1.258	544	150
Purdue	1/0	19	0.080	1/0	19	0.080	0.521	1.258	600	150
Syracuse	2/0	19	0.080	1	19	0.080	0.565	1.363	671	165
Lafayette	2/0	19	0.080	2/0	19	0.080	0.565	1.363	728	165
Swarthmore	3/0	19	0.080	1/0	19	0.080	0.614	1.483	813	190
Davidson	3/0	19	0.080	3/0	19	0.080	0.614	1.483	885	190
Mcpherson	4/0	19	0.080	2	7	0.060	0.672	1.621	899	190
Wake Forest	4/0	19	0.080	2/0	19	0.080	0.672	1.621	993	225
Eartham	4/0	19	0.080	4/0	19	0.080	0.672	1.621	1081	225
Rust	250	37	0.095	3/0	19	0.080	0.747	1.804	1216	250
Slippery Rock	350	37	0.095	4/0	19	0.080	0.850	2.053	1563	305
Wofford	500	37	0.095	350	37	0.095	0.980	2.366	2218	380
Westminster	750	61	0.110	350	37	0.095	1.190	2.873	3069	470

* All values are nominal and subject to correction.

