

UD CABLE

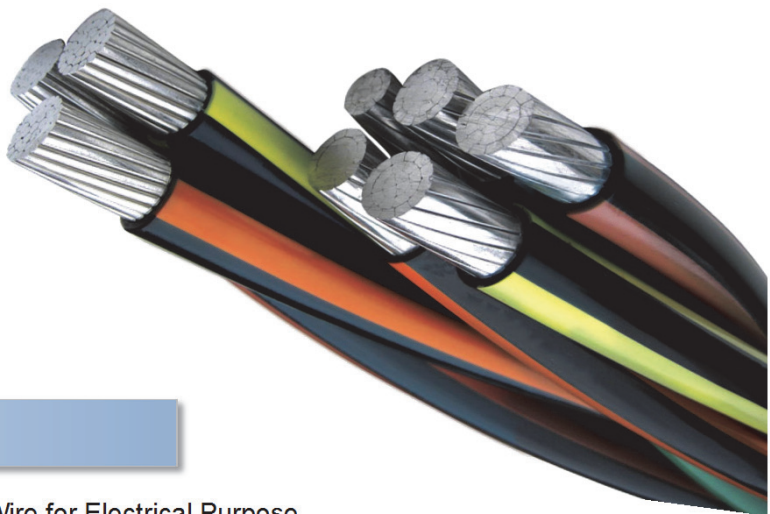
UNDERGROUND DISTRIBUTION

Applications:

Type secondary UD cable can be used for secondary distribution and underground service at 600 volts or less, either direct burial or in ducts.

Standard:

ASTM B-230, B-231
ASTM B-609, B-901
UL Standard 854 requirement for USE-2
ICEA S-105-692
RoHS environmental conductive requirement



Product characters:

Conductor:	B-230 Aluminum 1350-19 Wire for Electrical Purpose B-231 Aluminum 1350 conductors, concentric-lay-stranded B-609 Aluminum 1350 Round wire, annealed and intermediate tempers for electrical purpose B-901 Compressed round stranded aluminum conductors for using single input wire
Insulation:	Cross-linked polyethylene (XLPE) insulated conductors
Temperature Range:	Temperature of 90° C in wet and dry locations
Environmental:	Free of harmful heavy metals in compliance with RoHS
Voltage Rating:	600Volt

Specifications:

Conductors are stranded, compressed 1350-H16/H26 aluminum, insulated with a cross-linked polyethylene meeting the requirements of ANSI/ICEA S-81-570. Conductors are durably surface printed for identification.

Technical data sheet -Secondary UD Cable

Code	Phase Conductor			Neutral Conductor			Compleat cable Diameter		Weight	Ampacities	
	Size AWG or kcmil	Conductor Diameter. Inches	Insulation Thickness mils	Size AWG or kcmil	Conductor Diameter. Inches	Insulation Thickness mils	mils	mm	lbs/1000 ft	Direct Burial	In ducts
Single Core											
Cornell	8	0.141	60				260	6.6	32.4	74	36
Princeton	6	0.178	60				300	7.6	44.4	90	65
Mercer	4	0.225	60				350	8.9	62.7	120	85
Clemson	2	0.283	60				410	10.4	90.2	155	115
Kenyon	1	0.322	80				490	12.4	122.3	175	130
Harvard	1/0	0.362	80				520	13.2	147	200	150
Yale	2/0	0.406	80				570	14.5	177.2	221	170
Tufts	3/0	0.456	80				620	15.7	215	253	195
Beloit	4/0	0.512	80				680	17.3	261.3	290	225
Hofstra	250	0.558	95				750	19.1	318.1	320	250
Gonzaga	300	0.611	95				810	20.6	370.4	355	280
Rutgers	350	0.660	95				850	21.6	422.8	385	305
Emory	500	0.706	95				900	22.9	578	465	370
Duke	600	0.749	95				940	23.9	703.4	510	410
Furman	700	0.789	95				980	24.9	806.7	550	440
Sewanee	750	0.866	110				1090	27.7	857.7	580	470
Fordham	1000	0.935	110				1160	29.5	1112.2	670	545
Two Cores(Neutral with Yellow extruded stripe)											
Bard	8	0.141	60	8	0.141	60	530	13.5	64	70	55
Claflin	6	0.178	60	6	0.178	60	600	15.2	88	95	70
Delgado	4	0.225	60	4	0.225	60	690	17.5	124	123	90
Cedarcr	2	0.283	60	4	0.225	60	750	19.1	152	160	120
Everett	2	0.283	60	2	0.283	60	810	20.6	179	160	120
Findlay	2/0	0.406	80	2/0	0.406	80	1140	29.0	352	233	175
Hanover	4/0	0.512	80	4/0	0.512	80	1350	34.3	518	301	230
Glenville	350	0.660	95	350.00	0.660	95	1710	43.4	839	395	315

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Three Cores(Neutral with Yellow extruded stripe)											
Erskine	6	0.178	60	6	0.178	60	635	16.1	132	95	70
Vassar	4	0.225	60	4	0.225	60	735	18.7	187	125	90
Stephens	2	0.283	60	4	0.225	60	817	20.8	241	165	120
Ramapo	2	0.283	60	2	0.283	60	858	21.8	268	165	120
Brenau	1/0	0.362	80	2	0.283	60	1027	26.1	381	215	160
Bergen	1/0	0.362	80	1/0	0.362	80	1111	28.2	437	215	160
Converse	2/0	0.406	80	1.00	0.322	80	1145	29.1	473	245	180
Hunter	2/0	0.406	80	2/0	0.406	80	1203	30.6	527	245	180
Hollins	3/0	0.456	80	1/0	0.362	80	1245	31.6	572	280	205
Rockland	3/0	0.456	80	3/0	0.456	80	1312	33.3	640	280	205
Sweetbriar	4/0	0.512	80	2/0	0.406	80	1354	34.4	694	315	240
Monmouth	4/0	0.512	80	4/0	0.512	80	1429	36.3	778	315	240
Pratt	250	0.558	95	3/0	0.456	80	1500	38.1	844	345	265
Wesleyan	350	0.660	95	4/0	0.512	80	1683	42.7	1098	415	320
Holyoke	500	0.706	95	300	0.611	95	1952	49.6	1514	495	395
Rider	500	0.706	95	350	0.660	95	1988	50.5	1566	495	395
Farifield	750	0.935	110	500	0.706	95	2375	60.3	2275	595	480

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Four Cores(Neutral with Yellow extruded stripe)											
Tulsa	4	0.225	60	4	0.225	60	824	20.9	249	120	85
Dyke	2	0.283	60	4	0.225	60	927	23.5	331	155	115
Wittenberg	2	0.283	60	2	0.283	60	961	24.4	358	155	115
Notre Dame	1/0	0.362	80	2	0.283	60	1174	29.8	527	200	150
Purdue	1/0	0.362	80	1/0	0.362	80	1245	31.6	583	200	150
Syracuse	2/0	0.406	80	1	0.322	80	1299	33.0	649	225	170
Lafayette	2/0	0.406	80	2/0	0.406	80	1348	34.2	703	225	170
Swarthmore	3/0	0.456	80	1/0	0.362	80	1414	35.9	786	250	195
Davidson	3/0	0.456	80	3/0	0.456	80	1470	37.3	853	250	195
Wake Forest	4/0	0.512	80	2/0	0.406	80	1538	39.1	953	290	225
Earlham	4/0	0.512	80	4/0	0.512	80	1601	40.7	1037	290	225
Rust	250	0.558	95	3/0	0.456	80	1706	43.3	1160	325	245
Slippery Rock	350	0.660	95	4/0	0.512	80	1921	48.8	1517	385	305
Wofford	500	0.706	95	350	0.660	95	2252	57.2	2140	465	370
Westminste	750	0.935	110	350	0.660	95	2628	66.8	2972	580	470