

ALUMINUM 600V SECONDARY UD



APPLICATIONS

ALUMINUM 600V UD CABLE FOR USE IN SECONDARY DISTRIBUTION CIRCUITS IN DUCTS OR DIRECT BURIAL APPLICATIONS UP TO 600V RATED PER NEC AT 90°C IN DRY AND WET LOCATIONS

CONSTRUCTION

COMPRESSED, CONCENTRIC 1350-H19 ALUMINUM CONDUCTOR
MOISTURE AND HEAT RESISTANT CROSS-LINKED POLYETHYLENE (XLPE) INSULATION
BLACK PHASE CONDUCTORS, NEUTRAL CONDUCTOR WITH THREE YELLOW LONGITUDINAL STRIPES
HEAT/OZONE/OIL AND CHEMICAL RESISTANT, TEAR AND ABRASION RESISTANT

STANDARDS

ASTM B230 AND B231, ICEA S-105-692
UL STANDARD 854 FOR TYPE USE-2
FEDERAL SPECIFICATION A-A-59544 (FORMER JC-30B NEC)
RUS ACCEPTED
UL APPROVED

ALUMINUM 1350 CONDUCTORS SECONDARY UD: SINGLE CONDUCTOR

CODE	PART NO.	XLPE INSULATED PHASE CONDUCTOR			NOMINAL OD (INCHES)	NET WEIGHT (LBS/MFT)	AMPACITY	
		SIZE (AWG)	STRAND	INSULATION (MILS)			DIRECT BURIAL	IN DUCT
SINGLE CONDUCTOR 600V SECONDARY UD								
CORNELL	UD-CORNELLSING8	8	7	60	0.26	34	74	36
PRINCETON	UD-PRINCETONSING6	6	7	60	0.30	47	96	47
MERCER	UD-MERCERSING4	4	7	60	0.35	67	117	60
CLEMSON	UD-CLEMSONSING2	2	7	60	0.41	97	154	82
KENYON	UD-KENYONSING1	1	19	80	0.49	128	171	97
HAVARD	UD-HARVARDSING1/0	1/0	19	80	0.52	154	193	112
YALE	UD-YALESING2/0	2/0	19	80	0.57	186	221	132
TUFTS	UD-TUFTSSING3/0	3/0	19	80	0.62	225	253	155
BELOIT	UD-BELOITSING4/0	4/0	19	80	0.68	274	290	185
HOFSTRA	UD-HOFSTRASING250	250	37	95	0.75	329	317	199
GONZAGA	UD-GONZAGASING300	300	37	95	0.81	385	349	223
RUTGERS	UD-RUTGERSING350	350	37	95	0.85	439	381	248
DARTMOUTH	UD-DARTMOUTHSING400	400	37	95	0.90	493	410	272
BROWN	UD-BROWNSING450	450	37	95	0.94	547	439	295
EMORY	UD-EMORYSING500	500	37	95	0.98	601	464	318
DUKE	UD-DUKESING600	600	61	110	1.09	725	514	355
FURMAN	UD-FURMANSING700	700	61	110	1.16	830	549	386
SEWANEE	UD-SEWANEESING750	750	61	110	1.19	883	567	403
FORDHAM	UD-FORDHAMSG-1000	1000	61	110	1.34	1144	665	492

DATA SUBJECT TO NORMAL MANUFACTURING TOLERANCES

AMPACITY BASED ON 40°C AMBIENT TEMPERATURE, CROSSWIND AT 2FT/S AND NO SUN

ALUMINUM 600V SECONDARY UD



ALUMINUM 1350 CONDUCTORS SECONDARY UD: DUPLEX/TRIPLEX/QUADPLEX CONDUCTOR

CODE	PART NO.	XLPE INSULATED PHASE CONDUCTOR			XLPE INSULATED NEUTRAL CONDUCTOR			NOMINAL OD (INCHES)		NET WEIGHT (LBS/MFT)	AMPACITY	
		SIZE (AWG)	STRAND	INSULATION (MILS)	SIZE (AWG)	STRAND	INSULATION (MILS)	SINGLE PHASE COND.	COMPLETE CABLE		DIRECT BURIAL	IN DUCT
DUPLEX CONDUCTOR 600V SECONDARY UD												
BARD	UD-BARDDUP8	8	7	60	8	7	60	262	0.524	76	70	55
CLAFLIN	UD-CLAFLINDUP6	6	7	60	6	7	60	298	0.596	91	95	70
DELGADO	UD-DELGADODUP4	4	7	60	4	7	60	345	0.690	129	125	90
EVERETT	UD-EVERETTDUP2	2	7	60	2	7	60	403	0.806	189	187	100
TRIPLEX CONDUCTOR 600V SECONDARY UD												
ERSKINE	UD-ERSKINETRIP6	6	7	60	6	7	60	298	0.644	136	95	70
VASSAR	UD-VASSARTRIP4	4	7	60	4	7	60	345	0.745	194	125	90
STEPHENS	UD-STEPHENSTRIP2	2	7	60	4	7	60	403	0.870	260	165	120
RAMAPO	UD-RAMAPOTRIP2	2	7	60	2	7	60	403	0.870	290	165	120
BRENAU	UD-BRENAUTRIP1/0	1/0	19	80	2	7	60	512	1.106	409	215	160
BERGEN	UD-BERGENTRIP1/0	1/0	19	80	1/0	19	80	512	1.106	476	215	160
CONVERSE	UD-CONVERSETRIP2/0	2/0	19	80	1	19	80	555	1.199	490	245	180
HUNTER	UD-HUNTERTRIP2/0	2/0	19	80	2/0	19	80	555	1.199	540	245	180
HOLLINS	UD-HOLLINSTRIP3/0	3/0	19	80	1/0	19	80	603	1.302	586	280	205
SWEETBRIAR	UD-SWEETBRIARTRIP4/0	4/0	19	80	2/0	19	80	658	1.421	740	315	240
MONMOUTH	UD-MONMOUTHTRIP4/0	4/0	19	80	4/0	19	80	658	1.421	847	315	240
PRATT	UD-PRATTTRIP250	250	37	95	3/0	19	80	732	1.581	857	345	265
WESLEYAN	UD-WESLEYANTRIP350	350	37	95	4/0	19	80	831	1.795	1135	415	320
RIDER	UD-RIDERTRIP500	500	37	95	350	37	95	980	2.117	1248	495	395
FAIRFIELD	UD-FAIRFIELDTRIP750	750	61	110	500	37	95	1118	2.860	2304	615	525
QUADPLEX CONDUCTOR 600V SECONDARY UD												
TULSA	UD-TULSAQUAD4	4	7	60	4	7	60	345	0.833	258	120	85
DYKE	UD-DYKEQUAD2	2	7	60	4	7	60	403	0.973	367	155	115
WITTENBERG	UD-WITTENBERGQUAD2	2	7	60	2	7	60	403	0.973	375	155	115
NOTRE DAME	UD-NOTREDAMEQUAD1/0	1/0	19	80	2	7	60	512	1.236	574	200	150
PURDUE	UD-PURDUEQUAD1/0	1/0	19	80	1/0	19	80	512	1.236	596	200	150
SYRACUSE	UD-SYRACUSEQUAD2/0	2/0	19	80	1	19	80	555	1.340	664	225	170
LAFAYETTE	UD-LAFAYETTEQUAD2/0	2/0	19	80	2/0	19	80	555	1.340	720	225	170
SWARTHMORE	UD-SWARTHMOREQUAD3/0	3/0	19	80	1/0	19	80	603	1.456	805	250	195
DAVIDSON	UD-DAVIDSONQUAD3/0	3/0	19	80	3/0	19	80	603	1.456	874	250	195
WAKE FOREST	UD-WAKEFORESTQUAD4/0	4/0	19	80	2/0	19	80	658	1.588	1036	290	225
EARLHAM	UD-EARLHAMQUAD4/0	4/0	19	80	4/0	19	80	658	1.588	1066	290	225
RUST	UD-RUSTQUAD250	250	37	95	3/0	19	80	760	1.830	1213	325	210
SLIPPERY ROCK	UD-SLIPPERYROCKQUAD	350	37	95	4/0	19	80	831	1.945	1544	385	305
WOFFORD	UD-WOFFORDQUAD500	500	37	95	350	37	95	990	2.390	2251	467	420
WINDHAM	UD-WINDHAMQUAD750	750	61	110	500	37	95	1200	2.890	3266	615	492

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