

600 VOLT SECONDARY UD

APPLICATION: Directly buried or installed in ducts for 600 volt secondary distribution.

PRODUCT FEATURES: Concentric stranded or compressed 1350-H19 aluminum conductor, crosslinked polyethylene insulation. Insulated conductors surface printed, neutral, triple yellow striped or solid yellow. Black neutrals may be specified if desired.

STANDARDS: UL Standard 854 for Type USE-2, ASTM B-230, B-231 and ICEA S-105-692, Federal Specification JC-30B NEC

Duplex Conductor 600 Volt Secondary Type URD Cable – Aluminum Conductor

Code Word	Phase Conductors			Neutral Conductor			Single Phase Conductor (in)	Outside Diameter (in)	Weight per 1000 ft (lbs)	Ampacity	
	Size AWG	Strand	Insulation Thickness (MLS)	Size AWG	Strand	Insulation Thickness (MLS)				Direct Burial	In Duct
Bard	8	7/W	60	8	7/W	60	.262	.524	76	70	55
Cl@n	6	7/W	60	6	7/W	60	.299	.596	91	95	70
Delgado	4	7/W	60	4	7/W	60	.345	.690	129	125	90
Everett	2	7/W	60	2	7/W	60	.403	.808	187	187	100

Triplex Conductor 600 Volt Secondary Type URD Cable – Aluminum Conductor

Code Word	Phase Conductors			Neutral Conductor			Single Phase Conductor (in)	Outside Diameter (in)	Weight per 1000 ft (lbs)	Ampacity	
	Size AWG	Strand	Insulation Thickness (MLS)	Size AWG	Strand	Insulation Thickness (MLS)				Direct Burial	In Duct
Erksine	6	7/w	60	6	7/w	60	.299	.646	143	95	70
Vassar	4	7/w	60	4	7/w	60	.345	.754	203	125	90
Stephens	2	7/w	60	4	7/w	60	.403	.842	264	165	120
Ramapo	2	7/w	60	2	7/w	60	.403	.874	294	165	120
Brenau	1/0	19/w	80	2	7/w	60	.522	1.064	408	215	160
Bergen	1/0	19/w	80	1/0	19/w	80	.522	1.133	465	215	160
Converse	2/0	19/w	80	1	19/w	80	.566	1.174	502	245	180
Hunter	2/0	19/w	80	2/0	19/w	80	.566	1.228	560	245	180
Hollins	3/0	19/w	80	1/0	19/w	80	.616	1.276	606	280	205
Sweetbriar	4/0	19/w	80	2/0	19/w	80	.672	1.389	739	315	240
Monmouth	4/0	19/w	80	4/0	19/w	80	.672	1.457	828	315	240
Pratt	250	37/w	95	3/0	19/w	80	.748	1.538	893	345	265
Wesleyan	350	37/w	95	4/0	19/w	80	.851	1.736	1166	415	320
Rider	500	37/w	95	350	37/w	95	.979	2.035	1663	495	395
Fair@eld	750	61/w	110	500	37/w	95	1.118	2.860	2304	615	525



Quadruplex Conductor 600 Volt Secondary Type URD Cable – Aluminum Conductor

Code Word	Phase Conductors			Neutral Conductor			Single Phase Conductor (in)	Outside Diameter (in)	Weight per 1000 ft (lbs)	Ampacity	
	Size AWG	Strand	Insulation Thickness (MLS)	Size AWG	Strand	Insulation Thickness (MLS)				Direct Burial	In Duct
Tulsa	4	7/w	60	4	7/w	60	.345	.833	258	119	85
Dyke	2	7/w	60	4	7/w	60	.403	.938	346	153	115
Wittenberg	2	7/w	60	2	7/w	60	.403	.973	375	153	115
Notre Dame	1/0	19/w	80	2	7/w	60	.522	1.188	541	198	150
Purdue	1/0	19/w	80	1/0	19/w	80	.522	1.260	596	198	150
Syracuse	2/0	19/w	80	1	19/w	80	.566	1.316	664	225	170
Wake Forest	4/0	19/w	80	2/0	19/w	80	.672	1.560	979	290	225
Rust	250	37/w	95	3/0	19/w	80	.748	1.725	1,176	319	240
Slippery Rock	350	37/w	95	4/0	19/w	80	.851	1.945	1,544	385	305
Woord	500	37/w	95	350	37/w	95	.851	2.348	2,174	467	420
Westminster	750	61/w	110	350	37/w	95	.979	2.722	2,816	615	492

Ampacity: 90° C conductor temperature, 20° C ambient, RHO 90, 100% load factor for three conductor triplex with neutral carrying only unbalanced load. All Yellow Extruded Stripe, cable is XLP insulation.



UD TRIPLEX TRI-RATED 600V

APPLICATION: Triplex type RHH or RHW-2 or USE-2 is primarily used for secondary distribution and underground service at 600 volts or less, either direct burial or in ducts. May also be used in conduit as specified by the NEC.

PRODUCT FEATURES:

- Triplex Type RHH or RHW-2 or USE-2 Secondary UD is constructed with 8000 Series Aluminum Alloy Conductors.
- Cross-linked polyethylene insulation (XLPE) abrasion, impact and sunlight resistant.
- Insulation is extruded lead-free cross-linked polyethylene, the two phase conductors are black, and the neutral conductor is black identified by three longitudinal white extruded stripes, all insulation materials are RoHS, Directive 2002/95/EC compliant.
- Sequential foot markings for easier inventory control management.

STANDARDS: UL Standard 44 for Type RHH or RHW-2, UL Standard 854 for Type USE-2 ICEA S-105-692 for cross-linked polyethylene insulated conductors, ASTM B-800 8000 Series Aluminum Alloy Wire for Electrical Purposes – Annealed and Intermediate Temperatures. ASTM B-801 Concentric Lay Stranded Conductors of 8000 Series Alloy for Subsequent Covering or Insulation.

Triplex Tri-Rated 600V TYPE URD CABLE

Code Word	Phase Conductors			Neutral Conductor			Outside Diameter (in)	Weight per 1000 ft. (lbs)		Ampacity	
	Size AWG	No. of Wires	Insulation Thickness	Size AWG	Strand	Insulation Thickness		AL	Total	Direct Burial	In Duct
Vassar	4	7	0.060	4	7	0.060	0.745	118	191	125	90
Stephens	2	7	0.060	4	7	0.060	0.875	164	249	165	120
Ramapo	2	7	0.060	2	7	0.060	0.875	184	275	165	120
Brenau	1/0	19	0.080	2	7	0.060	1.110	261	387	215	160
Bergen	1/0	19	0.080	1/0	19	0.080	1.110	298	441	215	160
Converse	2/0	19	0.080	1	19	0.080	1.205	329	478	245	180
Hunter	2/0	19	0.080	2/0	19	0.080	1.205	375	535	245	180
Sweetbriar	4/0	19	0.080	2/0	19	0.080	1.421	523	709	315	240
Monmouth	4/0	19	0.080	4/0	19	0.080	1.421	597	796	315	240
Pratt	250	37	0.095	3/0	19	0.080	1.590	628	853	345	265
Wesleyan	350	37	0.095	4/0	19	0.080	1.780	843	1118	415	320

Notes: Data are approximate and subject to normal manufacturing tolerances.

