



600 VOLT SECONDARY UD TRIPLEX

APPLICATION: Directly buried or installed in ducts for 600 volt secondary distribution. Suitable for NEC- and non-NEC-compliant installations with a maximum conductor temperature of 90°C in wet or dry locations.

PRODUCT FEATURES: Concentric stranded compressed 1350-H19 aluminum conductors and crosslinked polyethylene (XLPE) insulation. Phase conductors are black and surface printed; neutral conductor is black, surface printed, and identified by three extruded yellow stripes.

STANDARDS:



UL Standard 854 for Type USE-2
ASTM B230 and B231
ICEA S-105-692
Federal Specification A-A59544 (formerly J-C-30B)

KINGWIRE TRIPLEX CONDUCTOR 600 VOLT SECONDARY TYPE URD CABLE – ALUMINUM CONDUCTOR

Code Word	Phase Conductors			Neutral Conductor			Diameter		Cable Weight (Nominal) lb/1000ft	Min Bend Radius inch	Ampacity ²	
	Size	Strands	Phase Insulation Thickness	Size	Strands	Neutral Insulation Thickness	Phase (Over Insulation)	Completed Cable (Nominal)			Direct Burial	In Duct
	AWG/ Kcmil	No.	mils	AWG/ Kcmil	No.	mils	inch	inch			amps	amps
Erskine	6	7	60	6	7	60	0.298	0.644	138	2.6	95	70
Vassar	4	7	60	4	7	60	0.345	0.745	196	3.0	125	90
Stephens	2	7	60	4	7	60	0.403	0.833	253	3.3	165	120
Ramapo	2	7	60	2	7	60	0.403	0.870	283	3.5	165	120
Brenau	1/0	19	80	2	7	60	0.522	1.051	401	5.3	215	160
Bergen	1/0	19	80	1/0	19	80	0.522	1.128	460	5.6	215	160
Converse	2/0	19	80	1	19	80	0.565	1.166	498	5.8	245	180
Hunter	2/0	19	80	2/0	19	80	0.565	1.220	555	6.1	245	180
Hollins	3/0	19	80	1/0	19	80	0.616	1.269	601	6.3	280	205
Sweetbriar	4/0	19	80	2/0	19	80	0.672	1.382	731	6.9	315	240
Monmouth	4/0	19	80	4/0	19	80	0.672	1.452	818	7.3	315	240
Pratt	250	37	95	3/0	19	80	0.748	1.530	887	7.7	345	270
Wesleyan	350	37	95	4/0	19	80	0.851	1.723	1155	8.6	415	320
Rider	500	37	95	350	37	95	0.979	2.031	1647	12.2	495	395
Fairfield	750	61	110	500	37	95	1.188	2.431	2390	14.6	615	495

1. Data are approximate and subject to normal manufacturing tolerances.

2. Ampacity values shown are for non-NEC applications and based on 90°C conductor temperature, 20°C ambient temperature, earth RHO 90, 100% load factor, with neutral carrying only unbalanced loads. For NEC-compliant applications, reference NEC (NFPA 70) 310.16.