



600 VOLT SECONDARY UD QUADRUPLX

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 QUADRUPLX 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
Tulsa	4	7	60	4	7	60	0.345	0.835	261	3.3	120	80
Dyke	2	7	60	4	7	60	0.403	0.934	348	3.7	155	105
Wittenberg	2	7	60	2	7	60	0.403	0.975	378	3.9	155	105
Notre Dame	1/0	19	80	2	7	60	0.522	1.188	557	5.9	200	140
Purdue	1/0	19	80	1/0	19	80	0.522	1.263	616	6.3	200	140
Syracuse	2/0	19	80	1	19	80	0.565	1.309	685	6.5	225	170
Wake Forest	4/0	19	80	2/0	19	80	0.672	1.553	1007	7.8	290	220
Rust	250	37	95	3/0	19	80	0.748	1.721	1222	8.6	320	240
Slippery Rock	350	37	95	4/0	19	80	0.851	1.944	1604	9.7	385	300
Wofford	500	37	95	350	37	95	0.979	2.277	2257	13.7	465	370
Westminster	750	61	110	350	37	95	1.188	2.672	3134	16.0	580	470
Windham	750	61	110	500	37	95	1.188	2.734	3296	16.4	580	470

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.