



600 VOLT SECONDARY UD DUPLEX

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 DUPLEX 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
Bard	8	7	60	8	7	60	0.262	0.524	67	2.1	70	55
Claflin	6	7	60	6	7	60	0.298	0.596	91	2.4	95	70
Delgado	4	7	60	4	7	60	0.345	0.690	128	2.8	125	90
Everett	2	7	60	2	7	60	0.403	0.806	185	3.2	165	120

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.