



Quadruplex URD Cable

600V Quadruplex Aluminum Conductor Secondary UD Cable --1350-H19-AAC



SPECIFICATIONS AND STANDARDS

- ASTM B-230:** Aluminum Wire, 1350-H19 for Electrical Purposes.
- ASTM B231:** Concentric Lay-Stranded Aluminum 1350 Conductors.
- ASTM B-609:** Aluminum 1350 Round Wire, Annealed and Intermediate Tempers, for Electrical Purposes.
- ASTM B-901:** Compressed Round Stranded Aluminum Conductors Using Single Input Wire.
- Quadruplex Secondary UD cable** meets or exceeds all applicable requirements of ICEA S-105-692 for cross-linked polyethylene insulated conductors and UL Standard 854 for Type USE-2.

CONSTRUCTION:

Conductors are stranded, compressed 1350-H19, H16 or H26 aluminum, insulated with cross-linked polyethylene (XLPE). Three phase conductors and one neutral conductor are cabled together to produce the triplex cable configuration. Conductors are also available paralleled. In addition, Insulated conductors surface printed, One Neutral Conductor with Yellow striped or solid Yellow, Black Three Phase Conductor may be specified if desired.

APPLICATIONS

Quadruplex Secondary UD cable is used for secondary distribution and underground service at 600 volts or less, either direct burial or in ducts.

Quadruplex Secondary UD Cable manufactured to ASTM / ICEA:

Code Word	Phase Conductors				Neutral Conductor				Complete Cable Diameter (inches)	Weight Per 1000ft (lbs)	Ampacity	
	Size AWG	Strand	Insulation Thickness (Inches)	Phase Diameter (inches)	Size AWG	Strand	Insulation Thickness (Inches)	Neutral Diameter (inches)			Direct Burial	In Duct
Yellow Stripe Neutral												
Tulsa	4	7	0.060	0.345	4	7	0.060	0.345	0.833	255	120	85
Dyke	2	7	0.060	0.403	4	7	0.060	0.345	0.973	342	155	115
Wittenberg	2	7	0.060	0.403	2	7	0.060	0.403	0.973	371	155	115
Notre Dame	1/0	9	0.080	0.512	2	7	0.060	0.403	1.236	534	200	150
Purdue	1/0	9	0.080	0.512	1/0	9	0.080	0.512	1.236	589	200	150
Syracuse	2/0	11	0.080	0.555	1	9	0.080	0.473	1.340	657	225	170



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Lafayette	2/0	11	0.080	0.555	2/0	11	0.080	0.555	1.340	713	225	170
Swarthmore	3/0	17	0.080	0.603	1/0	9	0.080	0.512	1.456	798	250	195
Davidson	3/0	17	0.080	0.603	3/0	17	0.080	0.603	1.456	868	250	195
Wake Forest	4/0	18	0.080	0.658	2/0	11	0.080	0.555	1.588	971	290	225
Earlham	4/0	18	0.080	0.658	4/0	18	0.080	0.658	1.588	1062	290	225
Slippery Rock	350	30	0.095	0.831	4/0	18	0.080	0.658	2.006	1527	385	305
Wofford	500	37	0.095	0.980	350	30	0.095	0.831	2.366	2179	465	370
Windham	750	61	1.110	1.130	500	37	0.095	0.979	2.850	2542	615	492

+Ampacity: 90°C conductor temperature, 20°C ambient, RHO 90, 100% load factor for Three phase conductor with one neutral carrying only unbalanced load.