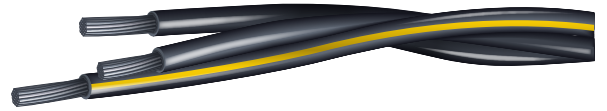


# Ruggedized Dual Layer USE-2 & UD Cable Aluminum Conductor 600V



## APPLICATION:

Priority Wire's ruggedized dual layer USE-2 and UD cables are designed for use in secondary distribution circuits and underground service operating at 600 volts or less, and can be directly buried. Maximum operating temperature is not to exceed 90°C in wet and dry locations.

## CONDUCTORS:

- Aluminum alloy 1350 class B stranded or Compressed Round stranded. Conductors are cabled together, with surface printing for identification

## INSULATION:

- Phase Conductors** - Extruded composite layer with natural colored cross linked polyethylene (XLPE) inner insulation, with a black high-density cross-linked polyethylene (HDXLPE) outer insulation
- Neutral Conductors** - Extruded composite layer with natural colored cross linked polyethylene (XLPE) inner insulation, with a black high-density cross-linked polyethylene (HDXLPE) outer insulation with three yellow stripes

## STANDARDS:

- ASTM B230: Aluminum 1350-H19 Wire for Electrical Purposes
- ASTM B231: Concentric-Lay-Stranded Aluminum 1350 Conductors
- ASTM B400: Compact Round Concentric-Lay-Stranded Aluminum 1350 Conductors
- ASTM B609: Aluminum 1350 Round Wire, Annealed and Intermediate Tempers, for Electrical Purposes
- ASTM B901: Compressed Round Stranded Aluminum Conductors Using Single Input Wire Construction
- ICEA S-81-570: 600 Volt Rated Cables of Ruggedized Design for Direct Burial Installations as Single Conductors or Assemblies of Single Conductors
- Meets or exceeds the requirements of UL 854 Service-Entrance Cables, but not UL listed
- Sunlight Resistant
- RUS ACCEPTED

Part Number	Code Word	Phase Conductor Size	Composite Insulation Thickness	Neutral Conductor Size	Composite Insulation Thickness	Nominal Diameter of Cable	Nominal Weight	Allowable Ampacity @ 90°C**	
		AWG/kcmil	inches	AWG/kcmil	inches			Dir Burial	In Duct
<b>Duplex - 1/C Phase and 1/C Neutral</b>									
6-02ALUM-UD-RUG	Claffin	6	0.060	6	0.060	0.62	92	95	70
<b>Triplex - 2/C Phase and 1/C Neutral</b>									
1/0-03ALUM-UD-RUG	Brenau	1/0	0.080	2	0.060	1.08	394	215	160
2/0-03ALUM-UD-RUG	Converse	2/0	0.080	1	0.080	1.21	475	245	180
4/0-03ALUM-UD-RUG	Sweetbriar	4/0	0.080	2/0	0.080	1.43	717	315	240
350-03ALUM-UD-RUG	Wesleyan	350	0.095	4/0	0.080	1.77	1132	415	320

All values are nominal and subject to correction.

\*\*Ampacity: 3/C triplexed, 90°C conductor temperature, 20°C ambient earth temperature, RHO 90°C-cm/Watt, 100% load factor. Reference NEC article 310.15 for NEC installations.



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04-2021