



URD Quadruplex UL Type USE-2, 1350 Aluminum Conductors, 90°C Dry or Wet, Rated 600 V



APPLICATIONS

UL Type USE-2 conductors are used in conduit and direct burial for services, feeders, and branch circuits in residential, commercial or industrial applications in accordance with the NEC. The conductor is suitable for use in dry or wet locations at temperatures not to exceed 90°C. The conductor is rated 600 V.

CONSTRUCTION

Conductor: Compact stranded 1350-H19 aluminum conductor.
Insulation: Abrasion, moisture, heat, and sunlight resistant crosslinked polyethylene (XLPE).
Assembly: Cabled assembly of 3 phase conductors and 1 neutral conductor.

CONDUCTOR IDENTIFICATION

Phase Conductors: Black, marked "PHASE A", "PHASE B", or "PHASE C"
Neutral Conductor: Black with 3 yellow stripes

VOLTAGE RATING: 600 V

TEMPERATURE RATING

Dry or Wet 90°C

MINIMUM BENDING RADIUS

Overall Diameter: Less than or Equal to 1.000 in
 Not Under Tension: 4x outer diameter
 Under Tension (During Pull): 6x outer diameter
 Overall Diameter: Greater than 1.000 in
 Not Under Tension: 5x outer diameter
 Under Tension (During Pull): 7.5x outer diameter

RATINGS AND MARKINGS

Sunlight resistant and marked
 RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following 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
- UL 854 – Service-Entrance Cables (USE-2)
- ICEA S-105-692 – 600 Volt Single Layer Thermoset Insulated Utility Underground Distribution Cables

LISTINGS AND CERTIFICATIONS

UL listed as Type USE-2 – File E483097

Code Word	Phase			Neutral			Overall Diameter (in)	Weight	
	Conductor Size (AWG or kcmil)	Insulation Thickness (in)	Diameter (in)	Conductor Size (AWG or kcmil)	Insulation Thickness (in)	Diameter (in)		Al (lb/1000 ft)	Net (lb/1000 ft)
Dyke	2	0.060	0.388	4	0.060	0.333	0.937	231	342
Wittenberg	2	0.060	0.388	2	0.060	0.388	0.937	254	370
Notre Dame	1/0	0.080	0.496	2	0.060	0.388	1.197	367	543
Purdue	1/0	0.080	0.496	1/0	0.080	0.496	1.197	404	601
Syracuse	2/0	0.080	0.536	1	0.080	0.459	1.294	463	669
Lafayette	2/0	0.080	0.536	2/0	0.080	0.536	1.294	510	725
Swarthmore	3/0	0.080	0.583	1/0	0.080	0.496	1.407	582	809
Davidson	3/0	0.080	0.583	3/0	0.080	0.583	1.407	641	878
Wake Forest	4/0	0.080	0.635	2/0	0.080	0.536	1.533	736	987
Earlham	4/0	0.080	0.635	4/0	0.080	0.635	1.533	812	1074
Slippery Rock	350	0.095	0.806	4/0	0.080	0.635	1.946	1210	1574
Wofford	500	0.095	0.926	350	0.095	0.806	2.236	1771	2219
Windham	750	0.110	1.128	500	0.095	0.926	2.723	2633	3244