



URD Single UL Type USE-2, 1350 Aluminum Conductor, 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).

CONDUCTOR IDENTIFICATION

Black XLPE

VOLTAGE RATING: 600 V

TEMPERATURE RATING

Dry or Wet	90°C
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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	Conductor Size (AWG or kcmil)	Insulation Thickness (in)	Diameter (in)	Al Weight (lb / 1000 ft)	Net Weight (lb / 1000 ft)
Princeton	6	0.060	0.289	24.7	44.5
Mercer	4	0.060	0.333	39.3	62.9
Clemson	2	0.060	0.388	62.5	90.7
Kenyon	1	0.080	0.459	78.8	122
Harvard	1/0	0.080	0.496	99.4	147
Yale	2/0	0.080	0.536	125.0	178
Tufts	3/0	0.080	0.583	158.0	215
Beloit	4/0	0.080	0.635	199.0	263
Hofstra	250	0.095	0.710	235.0	319
Gonzaga	300	0.095	0.760	282.0	372
Rutgers	350	0.095	0.806	329.0	427
Emory	500	0.095	0.926	471.0	583
Duke	600	0.110	1.033	565.0	711
Furman	700	0.110	1.097	659.0	816
Sewanee	750	0.110	1.128	706.0	866
Fordham	1000	0.110	1.280	941.0	1124

NOTES

1) Click to learn about ampacities.