



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

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 |