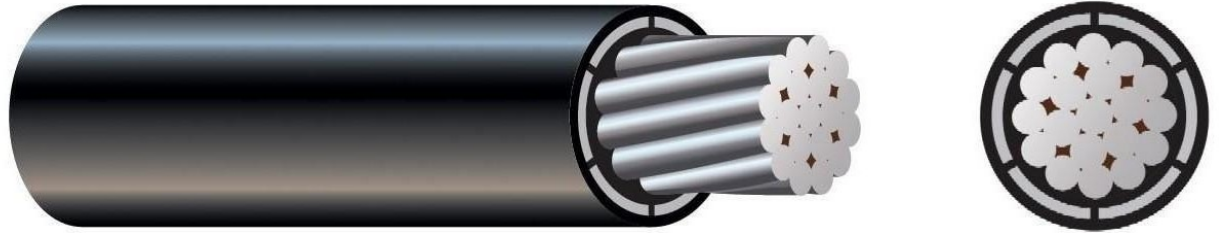


Single Conductor 600V Secondary UD SureSeal

Unique Cable Design with an Encapsulated Flowable Visco-Elastic Sealant.
Sealant Provides Extended Cable Life After Minor Mechanical Cable Damage.
Sealant also Provides Extended Cable Life when Pinholes are Caused by Voltage Surges.



APPLICATIONS

Used for secondary distribution, street light applications, and underground service at 600 volts or less, either directly burial or in ducts. Provides the best self sealing cable design and materials for installations that are problematic due to potential installation damage, adjacent utility work damage, homeowner damage, or damage caused by voltage surges.

SPECIFICATIONS

SureSeal[®] single conductor 600 volt secondary UD cable meets or exceeds the following applicable specifications:

- B-609 Aluminum 1350 Round Wire, Annealed and Intermediate Tempers, for Electrical Purposes.
- B-231 Aluminum 1350 Conductors, Concentric-Lay-Stranded.
- B-786 19-Wire Combination Unilay-Stranded Aluminum 1350 Conductors for Subsequent Insulation.
- B-901 Compressed Round Stranded Aluminum Conductors Using Single Input Wire.

SureSeal[®] single conductor 600 volt UD cable meets or exceeds all applicable requirements of UL standard 854 for Type USE-2.

CONSTRUCTION

Conductors are stranded, compressed 1350-H16/H26 aluminum, insulated with bonded inner and outer layers of ruggedized cross-linked polyethylene. A visco-elastic sealant is strategically placed in the channels between the inner and outer layer. This cable design allows for cleaner stripping, more uniform sealant disbursement in the cable, and the same or better shrinkback performance when compared with standard Hi-Score cable. Available in sizes AWG 6 through AWG 4/0 with 80 mils total insulation thickness. Also available in sizes 250 kcmil through 500 kcmil with 95 mils total insulation thickness or with reduced 80 mils insulation thickness per ICEA and UL. Conductors are durably surface printed for identification. 8000 series aluminum conductor available upon request.

This product is made under one or more of the following U.S. Patent Numbers: 6,914,193, 6,573,456, 6,359,231, and 6,184,473.



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SureSeal Single Conductor 600V

| Size (AWG or kcmil) | Strand- ing | Insul. Thick. (mils) | Diameter (mils) | | Weight Per 1000 feet (lbs.) | Allowable Ampacities+ | |
|---------------------------|----------------|----------------------------|-----------------|-------------------|---|--------------------------|-------------|
| | | | Bare | Complete Cable | | Direct Burial | In Ducts |
| 6 | 7 | 80 | 178 | 338 | 52 | 90 | 65 |
| 4 | 7 | 80 | 225 | 385 | 72 | 120 | 85 |
| 2 | 7 | 80 | 283 | 443 | 102 | 155 | 115 |
| 1 | 9 | 80 | 313 | 473 | 118 | 175 | 130 |
| 1/0 | 9 | 80 | 352 | 512 | 146 | 200 | 150 |
| 2/0 | 11 | 80 | 395 | 555 | 173 | 225 | 170 |
| 3/0 | 17 | 80 | 443 | 603 | 210 | 250 | 195 |
| 4/0 | 18 | 80 | 498 | 658 | 257 | 290 | 225 |
| 250 | 26 | 80 | 542 | 702 | 301 | 320 | 250 |
| 250 | 26 | 95 | 542 | 732 | 315 | 320 | 250 |
| 350 | 37 | 80 | 641 | 801 | 406 | 385 | 305 |
| 350 | 37 | 95 | 641 | 831 | 422 | 385 | 305 |
| 500 | 37 | 80 | 790 | 950 | 562 | 465 | 370 |
| 500 | 37 | 95 | 790 | 980 | 580 | 465 | 370 |

+Ampacity: 90°C conductor temperature, 20°C ambient temperature, RHO factor 90, 100% load factor for three conductor triplexed, 3 phase operation. For NEC Applications, use NEC Table 310.16 Ampacities.