

Triplex 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[®] triplex 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[®] triplex 600 volt secondary 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. The neutral conductor contains three yellow extruded stripes and sequential footage markers. A triplex construction consist of two phase conductors and one neutral. 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 Triplex 600V

Phase Conductor			Neutral			Diameter (mils)		Weight Per 1000 feet (lbs.)	Allowable Ampacities+	
Size (AWG)	Strand-ing	Insul. Thick. (mils)	Size (AWG)	Strand-ing	Insul. Thick. (mils)	Single Phase Cond.	Complete Cable		Direct Burial	In Ducts
6	7	80	6	7	80	338	730	158	95	70
4	7	80	4	7	80	385	832	219	125	90
2	7	80	4	7	80	443	957	280	165	120
2	7	80	2	7	80	443	957	310	165	120
1/0	9	80	1/0	9	80	512	1106	441	215	160
1/0	9	80	2	7	80	512	1106	397	215	160
2/0	11	80	1	9	80	555	1199	468	245	180
2/0	11	80	2/0	11	80	555	1199	523	245	180
3/0	17	80	1/0	9	80	603	1302	571	280	205
3/0	17	80	3/0	17	80	603	1302	637	280	205
4/0	18	80	2/0	11	80	658	1421	693	315	240
4/0	18	80	4/0	18	80	658	1421	778	315	240
250	26	80	3/0	17	80	702	1516	820	345	265
250	26	95	3/0	17	80	732	1581	848	345	265
350	37	80	4/0	18	80	801	1730	1080	415	320
350	37	95	4/0	18	80	831	1795	1111	415	320
500	37	80	350	37	80	950	2052	1545	495	395
500	37	95	350	37	95	980	2117	1597	495	395

+Ampacity: 90°C conductor temperature, 20°C ambient temperature, RHO factor 90, 100% load factor for three conductor triplex with neutral carrying only unbalanced load. For NEC Applications, use NEC Table 310.16 Ampacities.