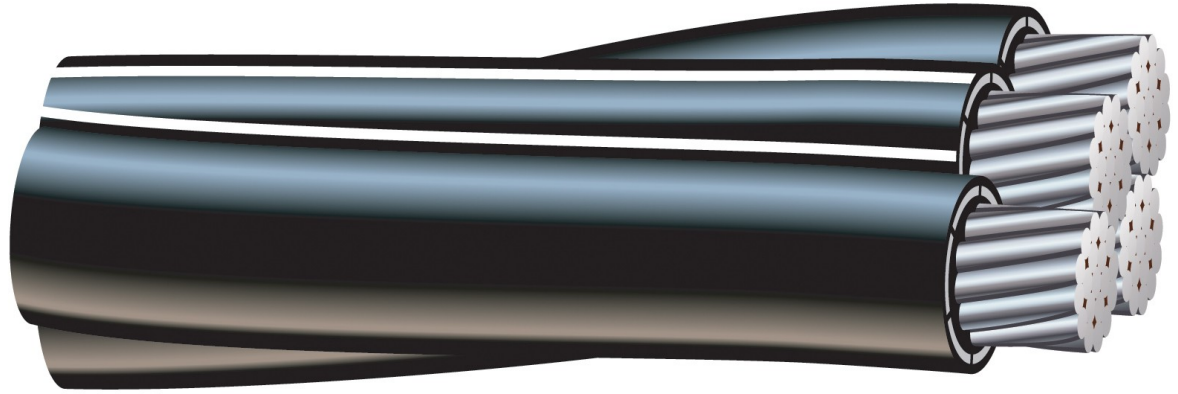


Quadruplex 600V Secondary UD SureSeal

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 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[®] quadruplex 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[®] quadruplex 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 4 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 quadruplex construction consist of three 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 Quadruplex 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
4	7	80	4	7	80	385	929	291	120	85
2	7	80	4	7	80	443	1069	383	155	115
2	7	80	2	7	80	443	1069	413	155	115
1/0	9	80	2	7	80	512	1236	544	200	150
1/0	9	80	1/0	9	80	512	1236	588	200	150
2/0	11	80	1	9	80	555	1340	643	225	170
2/0	11	80	2/0	11	80	555	1340	698	225	170
3/0	17	80	1/0	9	80	603	1456	784	250	195
3/0	17	80	3/0	17	80	603	1456	849	250	195
4/0	18	80	4/0	18	80	658	1588	1037	290	225
4/0	18	80	2/0	11	80	658	1588	952	290	225
250	26	80	3/0	17	80	702	1695	1124	320	250
250	26	95	3/0	17	80	732	1767	1165	320	250
350	37	80	4/0	18	80	801	1934	1490	385	305
350	37	95	4/0	18	80	831	2006	1537	385	305
500	37	80	350	37	80	950	2293	2112	465	370
500	37	95	350	37	95	980	2366	2183	465	370

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