



SureSeal® Cable

Peace of mind, from the inside out

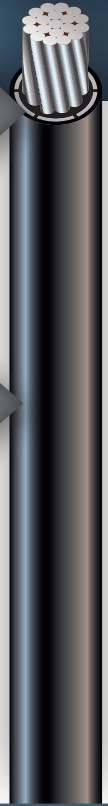
Better protection equals less failures and more peace of mind.

Self-sealing SureSeal® 600V UD cable provides protection from permanent damage caused by shovels, digging machinery, lightning pineholes, and burrowing animals.

With traditional conductors, minor damage to the insulation may allow moisture to reach the aluminum conductor. This moisture can lead to corrosion and eventual cable failure. The patented SureSeal cables contain a highly reliable visco-elastic insulating material that flows into insulation breaks and blocks the moisture migration, thus leading to fewer failures.

Channels between inner and outer layer of jacket are filled with a visco-elastic sealant

Ruggedized cross-linked polyethylene jacket.



- Prevents failure in 600V underground direct buried cables
- Self-sealing insulation reduces callbacks from dig-in punctures and handling damage
- Cost-effective protection delivers savings over copper tray cable or conduit alternatives
- Direct replacement for conventional cables

- Field-tested, proven self-sealing design delivers long-term reliability
- Extensive research confirms sealant's capacity to block moisture ingress
- Compatibility with conventional connectors and tools assures efficient installation
- Increased reliability improves ROI on underground services

Technical Specifications

Construction

- Conductors are 1350-H16/H26 aluminum. Sealant resides in channels between inner and outer layers of ruggedized cross-linked polyethylene. The design allows clean stripping and uniform sealant disbursement.
- Available in sizes 6 AWG through 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. Triplex construction provides two phase conductors and one neutral, durably printed for identification.

SureSeal® Triplex 600V Secondary UD Cable

Phase Conductor			Neutral			Diameter (mils)		Weight per 1000 Feet (lbs)		Allowable Ampacity*
Size (AWG)	Stranding	Insul. Thick. (mils)	Size (AWG)	Stranding	Insul. Thick. (mils)	Single Phase Cond.	Complete Cable	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	2	7	80	512	1106	397	215	160
1/0	9	80	1/0	9	80	512	1106	441	215	160
2/0	11	80	2/0	11	80	555	1199	523	245	180
2/0	11	80	1	9	80	555	1199	468	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	95	3/0	17	80	702	1516	820	345	265
250	26	80	3/0	17	80	732	1581	848	345	265
350	37	95	4/0	18	80	801	1730	1080	415	320
350	37	80	4/0	18	80	831	1795	1111	415	320
500	37	80	350	37	80	950	2052	1540	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.