

Triplex 600V Secondary UD RHH or RHW-2 or USE-2 AlumaFlex®

TRIPLE E Aluminum Alloy (AA-8176) Conductors.
Cross-Linked Polyethylene (XLP) Insulation.



APPLICATIONS

Southwire's triplex Type RHH or RHW-2 or USE-2 AlumaFlex® is primarily used for secondary distribution and underground service at 600 volts or less, either directly burial or in ducts, where increased flexibility is needed. May also be used in conduit as specified by the NEC.

SPECIFICATIONS

Southwire's triplex Type RHH or RHW-2 or USE-2 AlumaFlex® 600 volt cable meets or exceeds the following ASTM specifications:

- B800 8000 Series Aluminum Alloy Wire for Electrical Purposes – Annealed and Intermediate Tempers.
- B801 Concentric-Lay-Stranded Conductors of 8000 Series Aluminum Alloy for Subsequent Covering or Insulation.

Southwire's triplex conductor 600 volt secondary UD cable meets or exceeds all applicable requirements of ICEA S-105-692 for cross-linked polyethylene insulated conductors, UL Standard 44 for Type RHH or RHW-2, and UL Standard 854 for Type USE-2.

CONSTRUCTION

Type RHH or RHW-2 or USE-2 AlumaFlex® conductors are compressed stranded TRIPLE E AA-8000 (8176-H24) series Aluminum Alloy insulated with cross-linked polyethylene. A triplex construction consists of two phase conductors and one neutral. The neutral conductor contains three yellow extruded stripes and sequential footage marks. Conductors are durably surface printed for identification.

8000 Series AL Triplex 600V

Code Word	Phase Conductors				Neutral Conductor				Complete Cable Diameter (inches)	Weight (lbs/1000')	Allowable Ampacities+	
	Size (AWG or kcmil)	Strand-ing	Insul. Thick. (inches)	Phase Diameter (inches)	Size (AWG or kcmil)	Strand-ing	Insul. Thick. (inches)	Neutral Diameter (inches)			Direct Burial	In Ducts
Triplex with Yellow Extruded Stripe Neutral												
Vassar	4	7	0.060	0.345	4	7	0.060	0.345	0.745	201	125	90
Stephens	2	7	0.060	0.403	4	7	0.060	0.345	0.870	261	165	120
Brenau	1/0	9	0.080	0.512	2	7	0.060	0.403	1.106	398	215	160
Bergen	1/0	9	0.080	0.512	1/0	9	0.080	0.512	1.106	451	215	160
Converse	2/0	11	0.080	0.555	1	9	0.080	0.473	1.199	488	245	180
Hunter	2/0	11	0.080	0.555	2/0	11	0.080	0.555	1.199	545	245	180
Hollins	3/0	17	0.080	0.603	1/0	9	0.080	0.512	1.302	591	280	205
Sweetbriar	4/0	18	0.080	0.658	2/0	11	0.080	0.555	1.421	718	315	240
Monmouth	4/0	18	0.080	0.658	4/0	18	0.080	0.658	1.421	805	315	240
Pratt	250	22	0.095	0.732	3/0	17	0.080	0.603	1.581	871	345	265
Newark	350	30	0.095	0.831	350	30	0.095	0.831	1.795	1302	415	320
<p>+ Ampacity: 90°C conductor temperature, 20°C ambient, RHO 90, 100% load factor for three conductor triplex with neutral carrying only unbalanced load. Technical data for cable with solid black neutral is identical to yellow extruded stripe data except for the "YES" suffix to code word. Also available in paralleled construction. For NEC Applications, use NEC Table 310.16 Ampacities.</p>												

