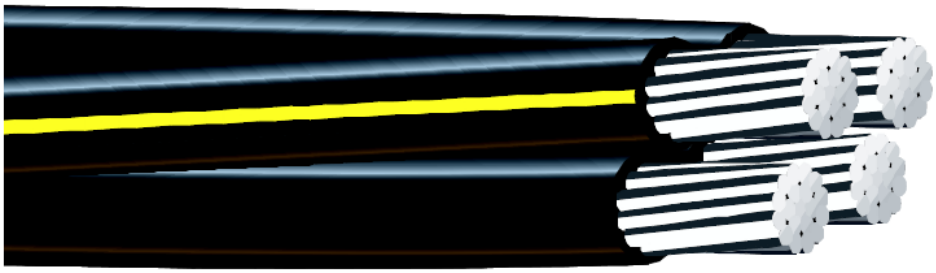
Quadruplex 600V Secondary UD RHH or RHW-2 or USE-2 AlumaFlex®

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



APPLICATIONS

Southwire's quadruplex 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 quadruplex 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 quadruplex 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 quadruplex construction consists of three 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 Quadruplex 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
Quadruplex with Yellow Extruded Stripe Neutral												
Tulsa	4	7	0.060	0.345	4	7	0.060	0.345	0.833	268	120	85
Notre Dame	1/0	9	0.080	0.512	2	7	0.060	0.403	1.236	531	200	150
Syracuse	2/0	11	0.080	0.555	1	9	0.080	0.473	1.340	646	225	70
Wake Forest	4/0	18	0.080	0.658	2/0	11	0.080	0.555	1.588	963	290	225
Slippery Rock	350	30	0.095	0.831	4/0	18	0.080	0.658	2.006	1536	385	305
Wofford	500	37	0.095	0.956	350	30	0.095	0.831	2.308	2216	465	370

+ 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.

One Southwire Drive
Carrollton, GA 30119 USA
770/832-4242
www.southwire.com

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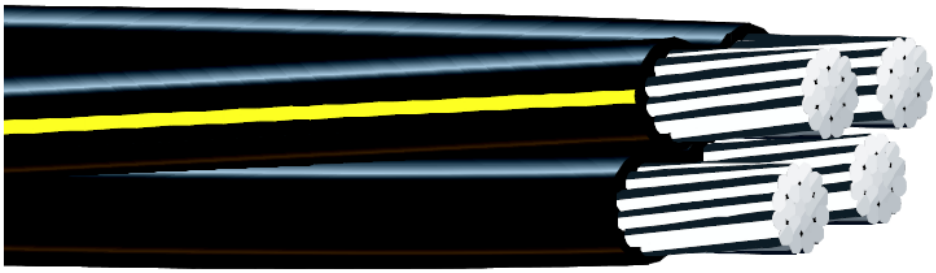

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- B801 Concentric-Lay-Stranded Conductors of 8000 Series Aluminum Alloy for Subsequent Covering or Insulation.

Southwire's quadruplex 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.

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