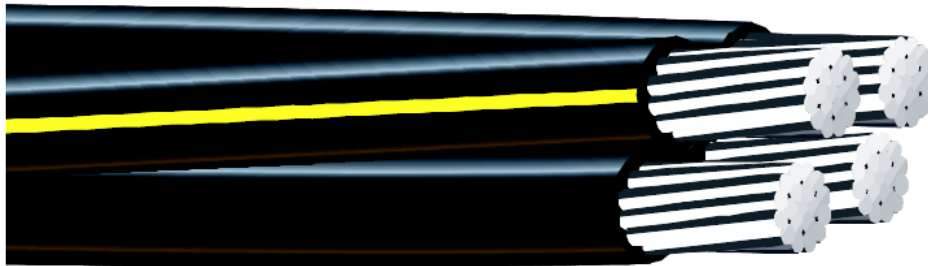


Quadruplex 600V Secondary UD RHH or RHW-2 or USE-2 AlumaFlex®

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 Temps.
- 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.

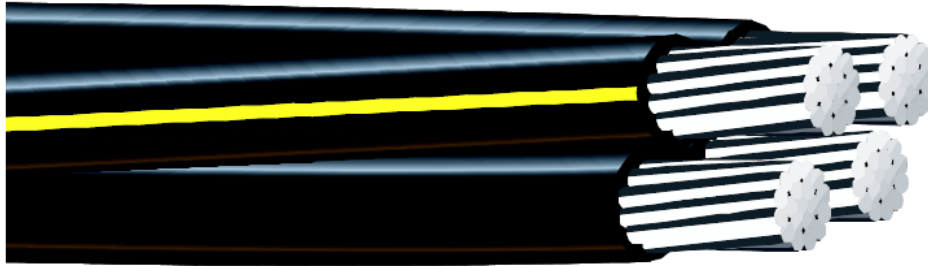
8000 Series AL Quadruplex 600V

| 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 |
| <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> | | | | | | | | | | | | |



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 Temps.
- 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 |
| <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> | | | | | | | | | | | | |

