

# Aluminum Mobile Home Feeder



Underground Service Entrance Cable. 600 Volt. Alumaflex® Brand Aluminum Alloy (AA-8176) Conductor. Cross-linked Polyethylene (XLP) Insulation. Sunlight Resistant.

## APPLICATIONS

Southwire® Type mobile home feeder is intended for the connection of mobile homes to a supply of electricity where permanent wiring is required as specified in the 2011 National Electrical Code. Suitable for direct burial in earth at conductor temperatures not to exceed 90°C. Voltage rating is 600 volts.

## STANDARDS & REFERENCES

Southwire® Type RHH or RHW-2 or USE-2 conductors comply with the following:

- ASTM B800 and either B801 or B836 (SIW)
- UL Standard 44
- UL Standard 854
- Federal Specification A-A-59544
- National Electrical Code, NFPA 70
- NEMA WC-70 Construction Requirements
- RoHS/Reach Compliant

## CONSTRUCTION

Southwire® mobile home feeder consists of four plexed type RHH or RHW-2 or USE-2 Alumaflex® Brand AA-8000 series aluminum alloy compacted conductors. The cable contains 2 triple-extruded phase conductors, a white striped neutral conductor and a green grounding conductor to eliminate the need for field marking per the National Electrical Code. The insulation is sunlight resistant.



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**Southwire**®

Size (AWG)	Phase Conductor		Neutral Conductor		Grounding Conductor		Overall Cable O.D. (Mils)	Weight Per 1000' (Lbs)	Ampacity	Standard Package
	Strand	Diameter (Mils)	Strand	Diameter (Mils)	Strand	Diameter (Mils)				
2-2-4-6	6	388	7	333	6	292	937	301	100	ABC
2-2-2-4	6	388	6	333	4	333	937	345	100	AB
2/0-2/0-1-4	18	536	18	459	7	333	1294	553	150	A
2/0-2/0-2/0-1	18	536	18	536	8	462	1294	671	150	A
4/0-4/0-2/0-4	18	635	18	536	7	333	1533	784	200	ABC
4/0-4/0-4/0-2/0	18	635	18	635	18	536	1533	989	200	A
Insulation thickness is 60 mils for #4 - 1/0 AWG, 80 mils for 2/0 AWG and larger. For dwelling ampacity use section 310.15 (B)(7). *For compact-stranded construction, the number of wires, as permitted by UL Standard 44 and ASTM B-801, may be reduced for 19-wire constructions to 18 wires minimum.										Package Codes A - 500' B - 1,000' C - 2,500'

**RECOMMENDED SAMPLE SPECIFICATIONS:**

Cable shall be UL-listed Type RHH or RHW-2 or USE-2, suitable for direct burial and operation at 600 volts. Conductors shall be Alumaflex® brand aluminum alloy as manufactured by Southwire Company or approved equal. The cable shall contain a triple extruded white striped neutral conductor and a solid green grounding conductor to eliminate the need for field marking per the National Electrical Code.

Size (AWG)	Phase Conductor	Neutral Conductor	Grounding Conductor	Stock Numbers
	Strand	Strand	Strand	
2-2-4-6	6	7	6	<b>Stock #: 301630</b>
2-2-2-4	6	6	4	<b>Stock #: 287128</b>
2/0-2/0-1-4	18	18	7	<b>Stock #: 301622</b>
2/0-2/0-2/0-1	18	18	8	<b>Stock #: 287136</b>
4/0-4/0-2/0-4	18	18	7	<b>Stock #: 301614</b>
4/0-4/0-4/0-2/0	18	18	18	<b>Stock #: 287144</b>

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