

TYPE ALUMINUM CONDUCTOR MOBILE HOME FEEDER CABLE - 600V

TRIPLE RATED: USE-2/RHH/RHW-2

ENGINEERING SPECIFICATIONS

Standards

Underwriters Laboratories® Standards UL-44, UL-854; ANSI/CEA S-105-692; IEEE 835-1994; Compact Stranded Aluminum Alloy 8000 Series per ASTM B800, ASTM B801, ASTM B836; ARRA 2009 Section 1605 "Buy American" Compliant; RoHS Compliant; RUS Accepted; UL Listing #E - 174428



Listed E-174428

CONSTRUCTION

Conductors

Compact Stranded Aluminum Alloy 8000 Series per ASTM B800, ASTM B801 and ASTM B836



Insulation

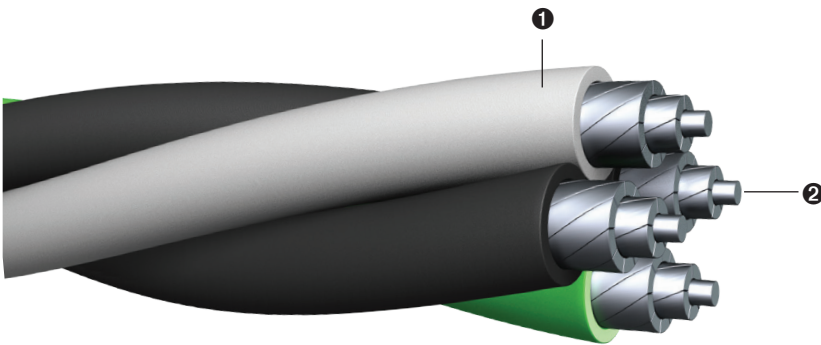
Cross-link polyethylene (XLPE) insulation per UL 44, UL 854 and ANSI/CEA S-105-692. Black XLPE insulation on phase conductors, white XLPE on grounded (neutral) conductor, green XLPE on ground.

APPLICATIONS

Quadruplex type USE-2/RHH/RHW-2 with Compact Stranded Aluminum Alloy 8000 Series conductors per ASTM B800; ASTM B801; ASTM B836. Suitable for electrical connections in mobile homes for permanent wiring according to the NEC. Suitable for wet and dry locations in conduit where temperatures do not exceed 90°C. Direct Burial in earth permitted for Type USE-2, RHH, RHW-2 per UL-854 where temperatures do not exceed 90°C. 600 volt rated. XLPE insulation is sunlight-resistant for 8 AWG and larger. 1/0 AWG and larger complies with UL-1685 flame test. 1/0 AWG and larger also complies with ICEA T-29-520 (210,000 btu/hr) flame test.

FEATURES

Two black triple-rated USE-2/RHH/RHW-2 phase conductors cabled together with one white triple-rated USE-2/RHH/RHW-2 neutral conductor and one green insulated ground wire. All cables employ ASTM 8000 Series aluminum alloy conductors. Superior weather, abrasion, crush, and sunlight-resistant XLPE insulation. Manufactured and tested according to ANSI/CEA S-105-692: Standard for 600 Volt Single Layer Thermoset Insulated Utility Underground Distribution Cables. Also manufactured and tested according to UL-854 and UL-44 for triple-rated USE-2/RHH/RHW-2 cables. Conductors are surface printed for identification.



- ① XLPE Insulation
- ② Compact Stranded Conductor, AA-8000 Series

Conductor Sizes (AWG)	Phase Conductors				Neutral Conductor				Ground Cable				Finished Cable				Standard Packaging (ft)
	Size (AWG)	No. of Strands	XLPE Thickness (in)	Outside Diameter (in)	Size (AWG)	No. of Strands	XLPE Thickness (in)	Outside Diameter (in)	Size (AWG)	No. of Strands	XLPE Thickness (in)	Outside Diameter (in)	Outside Diameter (in)	Approximate Net Weight (lbs/1000 ft)	Allowable Ampacities ¹		
															75°C	90°C	
2-2-4-6	2	7	0.060	0.399	4	7	0.060	0.340	6	6	0.060	0.295	0.950	310	90	100	500' Reels
2-2-2-4	2	7	0.060	0.399	2	7	0.060	0.399	4	6	0.060	0.340	0.950	357	90	100	500' Reels
2/0-2/0-1-4	2/0	12	0.080	0.550	1	8	0.080	0.470	4	6	0.060	0.340	1.308	569	135	150	500' Reels
2/0-2/0-2/0-1	2/0	12	0.080	0.550	2/0	12	0.080	0.550	1	7	0.080	0.470	1.308	683	135	150	500' Reels
4/0-4/0-2/0-4	4/0	19	0.080	0.648	2/0	12	0.080	0.550	4	6	0.060	0.340	1.550	797	180	205	500' Reels
4/0-4/0-4/0-2/0	4/0	19	0.080	0.648	4/0	19	0.080	0.648	2/0	12	0.060	0.340	1.550	1004	180	205	500' Reels

¹ Ampacity of conductors are based on the National Electrical Code (NFPA 70) Table 310.15(B)(16). See 110.14(C), 240.4(D) and 310.15(B) for other limitations where applicable. The above data is approximate and subject to manufacturing tolerances.

PRINT LEGEND: ENCORE WIRE CORP (SIZE) AWG AA-8000 AL CDR TYPE USE-2 OR RHH OR RHW-2 600 VOLTS DIR-BUR XLPE (UL) DATE/TIME/OPERATOR/QC