

TYPE SE-STYLE U - ALUMINUM CONDUCTOR - 600V

ENGINEERING SPECIFICATIONS

Standards

Underwriters Laboratories® Standards UL-83, UL-854, UL-2556; Compact Stranded Aluminum Alloy 8000 Series per ASTM B800, ASTM B801, ASTM B836; Federal Specifications AA-59544; NFPA 70 (NEC®) Article 230, 338; NEMA RV-4; ARRA 2009 Section 1605 "Buy American" Compliant; RoHS Compliant; MasterSpec Division 26 Sections 260519, 260523; UL Listing #E-174428



CONSTRUCTION

Conductors

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

Insulation

High-dielectric strength, heat and moisture-resistant, black or colored Polyvinyl Chloride (PVC), rated for continuous use at 90°C wet or dry, meeting the requirements of UL-83 for THHN/THWN-2

Cable Jacket

A tough gray, sunlight and fungus-resistant PVC outer covering

Grounding/Neutral Conductor

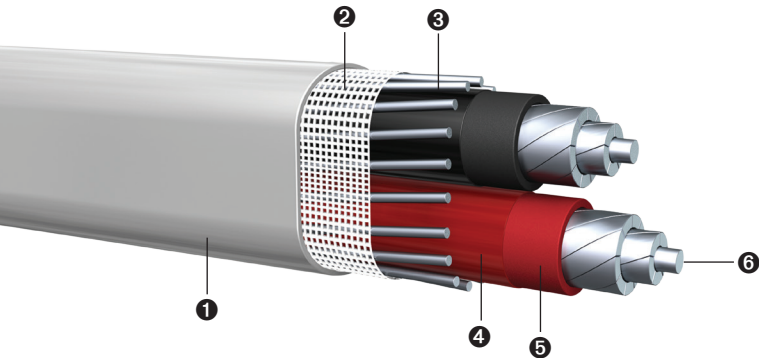
Compact Stranded Conductors, Aluminum Alloy 8000 Series per ASTM B800, B801 and B836

Assembly

The ground/neutral is evenly distributed and helically applied over the insulated conductors to produce the equivalent size required by UL-854 (see chart below).

APPLICATIONS

For above-ground electrical service use from the electric utility power service point to the meter or service entrance panel. This cable is manufactured in accordance with Underwriters Laboratories UL-854 and installed in accordance with Article 338 of the National Electrical Code. Type SE Style U is approved for installation in accordance with Article 230 of the NEC and has a rating of 600 volts.



- ① PVC Jacket
- ② Glass-Reinforced Tape Shield
- ③ Helical Bare Ground
- ④ Nylon Jacket
- ⑤ PVC Insulation
- ⑥ Compact Stranded Conductor, AA-8000 Series

Conductor Sizes (includes Ground) (AWG or KCMIL)	Insulated Phase Conductors		Ground / Neutral		Approximate Overall Dimensions (in)	Approximate Net Weight (lbs/1000 ft)	Allowable Ampacity (Amps)			Standard Packaging (ft)
	Sizes (AWG)	No. of Strands	Sizes (AWG)	Style Ground/ Neutral			60°C	75°C	90°C	
8-8-8	8-8	7	8	Helical	0.378 x 0.586	108	35	40	45	500' 1000' Reels
6-6-8	6-6	7	8	Helical	0.413 x 0.656	130	40	50	55	500' 1000' Reels
6-6-6	6-6	7	6	Helical	0.413 x 0.656	142	40	50	55	500' 1000' Reels
4-4-6	4-4	7	6	Helical	0.479 x 0.788	195	55	65	75	500' 1000' Reels
4-4-4	4-4	7	4	Helical	0.479 x 0.792	210	55	65	75	500' 1000' Reels
3-3-5	3-3	7	5	Helical	0.537 x 0.870	225	65	75	85	500' 1000' Reels
3-3-3	3-3	7	3	Helical	0.537 x 0.870	247	65	75	85	500' 1000' Reels
2-2-2	2-2	7	2	Helical	0.597 x 0.957	294	75	90	100	500' 1000' Reels
2-2-4	2-2	7	4	Helical	0.597 x 0.957	270	75	90	100	500' 1000' Reels
1-1-1	1-1	8	1	Helical	0.635 x 1.063	372	85	100	115	500' 1000' Reels
1/0-1/0-2	1/0-1/0	10	2	Helical	0.648 x 1.098	402	100	120	135	500' 1000' Reels
1/0-1/0-1/0	1/0-1/0	10	1/0	Helical	0.689 x 1.140	442	100	120	135	500' 1000' Reels
2/0-2/0-1	2/0-2/0	12	1	Helical	0.688 x 1.178	485	115	135	150	500' 1000' Reels
2/0-2/0-2/0	2/0-2/0	12	2/0	Helical	0.730 x 1.222	533	115	135	150	500' 1000' Reels
4/0-4/0-2/0	4/0-4/0	19	2/0	Helical	0.880 x 1.473	710	150	180	205	500' 1000' Reels
4/0-4/0-4/0	4/0-4/0	19	4/0	Helical	0.880 x 1.474	783	150	180	205	500' 1000' Reels

For 120/240V-volt, Single Phase Dwelling Services and Feeders see Section 310.15(B)(7) of the National Electrical Code. The above data is approximate and subject to manufacturing tolerances.

PRINT LEGEND:

8 AWG THROUGH 4/0 AWG: ENCORE WIRE CORP TYPE SE STYLE U THHN OR THWN CDRS 600 V 2 CDRS (SIZE) AA-8000 AL 1 CDR (SIZE) AA-8000 AL (UL) ((CDR SIZE1) - (CDR SIZE2) - (GND/NEU SIZE) DATE/TIME/OPER/QC