



WIRE, AAC, BARE-STRANDED
(All Aluminum Conductor)

Originator: DSmith Date: 7/7/06

Approval: J. Mitchell Date: 10/04/2019

Revision: Removed item #'s 034800, 034820 & 034920

Stds Committee Approval:
Approved



Application:

AAC Wire is used primarily for overhead transmission and primary and secondary distribution, where Ampacity must be maintained and a lighter conductor (compared to ACSR) is desired, when conductor strength is not a critical factor.

Common Name: AAC Overhead Wire

Specification:

The AAC bare conductor shall meet or exceed the following ASTM specifications for right hand lay stranding.

- B-230 Aluminum Wire, 1350-H19 for Electrical Purposes.
- B-231 Aluminum Conductors, Concentric-Lay-Stranded.
- C7.69 Non-Specular Surface Finish.

Construction:

Aluminum alloy 1350-H19 wires, concentrically stranded, non-specular finish.

Actual lengths shall conform to wood reels supplied by the manufacturer and shall be **minus 0% or plus 15%**.

Packaging and Marking:

The net weight, length, conductor size and name, purchaser's order number and manufacturer's name, address, and serial number shall be marked on a durable label and securely fastened to the outside of the reel or coil. *Reels shall be of NEMA WC26 dimensions and free of foreign objects (nails, etc.) that could damage the conductor during transit or while dispensing. See table for reel sizes and wire lengths.

Shipping:

All cable shall be shipped on an open flatbed truck. Reel flanges shall be vertical and positioned to be unloaded from the side. All reels shall have a protective wrap. Wire shall be shipped on nonreturnable reels with one continuous length. **DO NOT LAY REELS ON THEIR SIDES.**

Approved Manufacturers: Southwire, Nexans & BICC General (Formerly Alcan)

Item No	Maximo Description	Wire Lbs/Kft	REEL Information		
			Size*	Footage	Wt (lbs)
034730	Wire, AAC, #2/0, 7 strand, Bare, "Aster"	125	NR 42.28	12,400	1722
034760	Wire, AAC, #4/0, 19 Strand, "Sunflower"	198	NR 42.28	7,700	1690
034850	Wire, AAC, #336.4 kcm, 19 Strand, "Tulip"	315	NR 66.28	12,900	4453
034840	Wire, AAC, #477 kcm, 19 Strand, "Cosmos"	447	NR 66.28	8,500	4179
034923	Wire, AAC, #636 kcm, 37 Strand, "Orchid"	596	NR 66.28	6,100	4056
034954	Wire, AAC, #954 kcm, 37 Strand, "Magnolia"	894	NR 66.28**	4,200	4181

*NR = Non-Returnable Wooden Reel, RMT = Returnable, Steel Reels, Deposit Required.
 NR 66.28** Only for maintenance repairs, normally ordered on RMT reels on a project basis.