



• Application

Low friction type XHHW-2 cables, compliant with ASTM B800, are engineered for installation without the need for pulling lubricant. These cables find primary utility in residential and commercial construction, where they are deployed within conduits or recognized raceways for a multitude of applications, including services, feeders, and branch circuit wiring. Whether in wet or dry environments, these cables maintain optimal performance, rated for temperatures not exceeding 90°C. Operating at a voltage of 600V, they offer robust solutions for various electrical setups.

• Advantage

Ease of Installation: One of the primary advantages of low friction XHHW-2 cables is their ability to be installed without the need for additional pulling lubricants. This streamlines the installation process, reducing labor time and costs associated with lubricant application and cleanup.

Enhanced Durability: These cables feature a robust construction with compact stranded AA-8000 series aluminum conductors and a thermoset cross-linked polyethylene insulation. This combination provides excellent resistance to abrasion, moisture, and heat, ensuring long-term durability and reliability in a variety of environments.

Reduced Wear and Tear: The low coefficient of friction of the insulation material minimizes frictional forces during installation and operation. This helps reduce wear and tear on the cable and associated equipment, potentially extending their service life and reducing maintenance requirements.

• Construction

Conductor: The cable features a compact stranded AA-8000 series aluminum conductor material, adhering to rigorous ASTM standards such as B800, B801, B836, and B901 (Single Input Wire) as applicable. This ensures the conductor's reliability and compliance with industry benchmarks.

Insulation: Its insulation is crafted from a specialized thermoset cross-linked polyethylene, engineered to exhibit low friction properties. This insulation not only resists abrasion but also offers exceptional moisture and heat resistance, safeguarding the cable's integrity even in demanding environments.

Jacketing: A durable jacketing material, such as PVC (Polyvinyl Chloride) or XLPE (Cross-Linked Polyethylene), can be applied to provide additional protection against environmental factors and mechanical damage.

• Specification

-UL 44, UL 1581, UL 2556

-Federal Specification A-A-59544 and the requirements of the NEC

• Eastful Cable Lab



We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.

CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

• Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rheinland and CCS.



• National Green Factory



Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China.

We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

● Technical Parameters

Conductor		Dia. of Conductor	Insulation		Min.Dia.	Nominal Dia.	Weight
Size	No.of Strands		Min.Thickness	Nominal Thickness			
AWG or kcmil	-	mils	mils	mils	mils	mils	lb/1000 FT
6	7	169	40	45	246	259	38
4	7	213	40	45	289	303	56
3	7	238	40	45	313	328	68
2	7	268	40	45	343	358	82
1	18	299	50	55	393	409	108
1/0	18	336	50	55	428	446	130
2/0	19	376	50	55	467	486	160
3/0	19	423	50	55	512	533	196
4/0	19	475	50	55	563	585	242
250	36	520	58	65	626	650	290
300	36	537	58	65	642	667	342
350	36	603	58	65	707	733	392
400	36	659	58	65	762	789	444
500	36	722	58	65	824	852	544
600	60	780	72	80	908	940	668
700	60	845	72	80	972	1005	770
750	58	877	72	80	1003	1037	818
900	58	999	72	80	1123	1159	970