



Voltage

600V or less

Construction

Sino-cables XHHW-2 type aluminum conductors are annealed AA-8000 series Aluminum Alloy, compact stranded. Insulation is an abrasion, moisture and high-heat resistant black cross-linked polyethylene. Conductor sizes AWG 2 and larger listed and marked sunlight resistant in black only.

[Copper conductor is also available.](#)

Standard

XHHW-2 conductors meet or exceed UL Standard 44 .Federal Specification A-A-59544, and requirements of the NEC Type XHHW-2 meets and exceeds all construction requirements of ICEA S-95-658(NEMA WC 70)-Non shielded 0-2kv Cables, with testing frequencies based on UL requirements.

Features

1. -40°C----90°C
2. High-Heat and Moisture and Sunlight Resistant.
3. VW-1 or higher required by UL.

Applications

1. XHHW-2 conductors are primarily used in conduit or recognized raceways for services, feeders, and branch circuit wiring as specified in the National Electric Code(NEC).
2. May also be used in wet or dry locations at temperatures not to exceed 90°C.
3. Voltage rating for RW90 cable is 600V.

Package

steel & wooden reel, wooden reel, steel reel, in coils on wooden tray, or other requirements by customers.



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WEIGHTS. MEASUREMENTS						
CONDUCTOR SIZE (AWG or kcmil)	INSULATION THICKNESS (mils)	NOMINAL O.D. (mils)	ALLOWABLE AMPACITIES*			APPROXIMATE NET WEIGHT PER 1000ft(lbs)
			60°C	75°C	90°C	
8	45	228	30	40	45	31
6	45	263	40	50	60	43
4	45	307	55	65	75	67
2	45	362	75	90	100	87
1	55	413	85	100	115	109
1/0	55	450	100	120	135	133
2/0	55	490	115	135	150	162
3/0	55	537	130	155	175	201
4/0	55	589	150	180	205	246
250	65	654	170	205	230	297
300	65	704	190	230	255	352
350	65	750	210	250	280	402
400	65	793	225	270	305	454
500	65	870	260	310	350	555
600	80	980	285	340	385	680
700	80	1041	310	375	420	783
750	80	1072	320	385	435	832
1000	80	1224	375	445	500	1091

*Ampacities for not more than three conductors in raceway, based on ambient temperature of 30°C per Table 310-16 of the 2005 National Electrical Code (NFPA 70-1990).

60 °C - When terminated to equipment for circuits rated 100 amperes or less or marked for 14 through 1 AWG conductors.

75 °C - When terminated to equipment for circuits rated over 100 amperes or marked for conductors larger than 1 AWG.

90°C - XHHW wet or dry locations for ampacity adjustment purposes using NEC section 310.1.

*All values are nominal and subject to correction.

