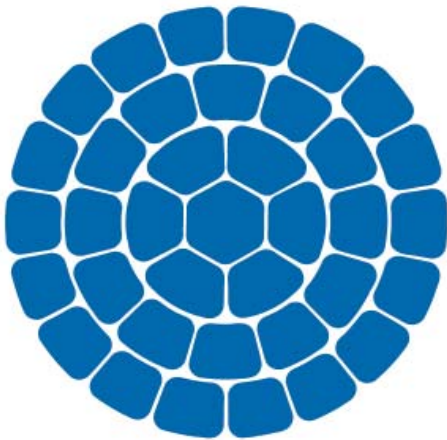




grounded in service  
wired to innovate.™

## STABILOY® XHHW-2

Alcan manufactures XHHW-2 STABILOY® cables which are intended for use in general purpose wiring in residential, commercial and industrial construction. As with all STABILOY® building wire, these products are high quality, dependable and offer tremendous flexibility. They exceed the requirements of the Underwriters Laboratories, Inc. standards and are approved for use in accordance with the recommendations of the National Electrical Code. STABILOY alloy conductor is recognized by ASTM in Standards B800 and B801.



**STABILOY®**

## PRODUCT FEATURES

XHHW-2 is a compact stranded conductor that can be installed in raceways for general purpose wiring for up to 600V rated service and feeder circuits in residential, commercial, institutional and industrial buildings. STABILOY XHHW-2 is also used in cable trays when marked for CT use (with "CT USE" marking) and messenger supported wiring applications.

Alcan STABILOY XHHW-2 offers several exceptional features....

**Lightweight, for easier lifting** and handling because STABILOY conductors weigh half as much as copper conductors of equal ampacity.

**Maximum operating temperature of 90°C** in dry and wet locations which exceeds the requirements for installations of service and feeder circuits.

**Sunlight resistant, moisture resistant and flame-retardant insulation**, which enhances the life of the cable by fending off environmental elements that can cause deterioration.

**Increased flexibility** because XHHW-2 is made with STABILOY AA-8030 conductors which require less bending force and have less spring back than copper conductors of equal ampacity.

**Cross-linked polyethylene insulation (XLPE)** over STABILOY conductors offers higher short-circuit withstand capability than the traditional THHN/THWN-2 insulation used on copper conductor of equal ampacity.

**NEW! Size 900 kcmil now available as a better choice over 600 kcmil copper!**

Ratings and Classifications	Requirements
Permitted Uses	Approved for use in accordance with Article 310 and other applicable portions of National Electrical Code (NEC)®.
Construction Performance	Underwriters Laboratories Standard 44, Thermoset-Insulated Wires and Cables. Conductors are 600V Type XHHW-2 rated 90°C wet and dry locations.

# STABILOY® XHHW-2

Size AWG or kcmil	NOMINAL DIMENSIONS					NOMINAL WEIGHT (LBS./1000FT.)		STANDARD PACKAGE	
	Insulation Thickness (Mils)	BARE Conductor Diameter (Inches)	XHHW-2 Conductor Diameter (Inches)	Bare Conductor Area (Sq. Inches)	XHHW-2 Conductor Area (Sq. Inches)	STABILOY	Total	Length	Reel
6	45	.169	.260	.0224	.0530	25	39	1000'	NRC 16.15
4	45	.213	.305	.0356	.0730	39	57	1000'	NRC 16.15
2	45	.268	.360	.0564	.1017	62	84	1000'	NRC 21.15
1	55	.299	.415	.0702	.1352	79	108	1000'	NRC 21.15
1/0	55	.336	.450	.0887	.1590	99	132	1000'	NRC 21.15
2/0	55	.376	.490	.1110	.1885	125	161	1000'	NRC 21.18
3/0	55	.423	.540	.1405	.2290	157	198	1000'	NRC 24.15
4/0	55	.475	.590	.1772	.2733	199	244	1000'	NRC 24.18
250	65	.520	.655	.2124	.3370	235	292	1000'	NRC 27.18
300	65	.570	.705	.2552	.3904	282	344	1000'	NRC 30.18
350	65	.616	.750	.2980	.4418	329	396	1000'	NRC 30.24
400	65	.659	.795	.3411	.4964	376	448	1000'	NRC 32.24
500	65	.736	.870	.4254	.5945	469	550	1000'	NRC 32.24
600	80	.813	.980	.5191	.7542	563	671	1000'	NRC 36.24
700	80	.877	1.040	.6041	.8494	657	774	1000'	NRC 40.24
750	80	.908	1.075	.6475	.9076	704	824	1000'	NRC 40.24
900	80	.999	1.169	.7838	1.0733	847	983	1000'	NRC 42.26
1000	80	1.060	1.230	.8825	1.1882	939	1079	1000'	NRC 48.25

## NOTES:

1. Data are approximate and subject to normal manufacturing tolerances.
2. Standard lengths are subject to normal manufacturing tolerances of  $\pm 10\%$ .
3. Two, three or four conductors can be paralleled on a reel.
4. The suffix -2 indicates that these wire types can be used at a continuous 90°C operating temperature in wet and dry locations.

## ALCAN CABLE

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