



# XHHW-2 COPPER CONDUCTOR -40°C

## STANDARDS

Underwriters Laboratories UL-44~Canadian Standard C22.2 No. 38~ Insulated Cable Engineers Association ICEA S-95-658~Institute of Electrical and Electronics Engineers IEEE 1202~Federal Specification A-A-59544~NEMA Publication No. WC-70~ Gas and Oil Resistant II (UL)

SIZE (AWG)	NUMBER OF STRANDS	INSULATION THICKNESS IN MILS XLP	APPROX. O.D. INCHES	ALLOWABLE AMPACITIES*			APPROX. WEIGHT PER 1000 FT. IN POUNDS
				60°C	75°C	90°C	
14	SOLID	.030	.124	15	15	15	15
12	SOLID	.030	.141	20	20	20	24
10	SOLID	.030	.162	30	30	30	36
14	7	.030	.131	15	15	15	18
12	7	.030	.149	20	20	20	26
10	7	.030	.171	30	30	30	40
8	7	.045	.236	15	50	55	67
6	7	.045	.274	20	65	75	100
4	7	.045	.322	30	85	95	150
3	7	.045	.350	50	100	110	205
2	7	.045	.382	65	115	130	230
1	19	.055	.431	85	130	150	291
1/0	19	.055	.470	100	150	170	362
2/0	19	.055	.514	115	175	195	445
3/0	19	.055	.564	130	200	225	564
4/0	19	.055	.620	150	230	260	707
250 MCM	37	.065	.672	175	255	290	836
300 MCM	37	.065	.724	200	285	320	996
350 MCM	37	.065	.771	230	310	350	1155
400 MCM	37	.065	.815	255	335	380	1315
500 MCM	37	.065	.896	285	380	430	1632
600 MCM	61	.080	1.026	310	420	475	1950
750 MCM	61	.080	1.128	400	475	535	2440

\* Ampacity shown above is per the 2011 National Electrical Code. The above data is approximate and subject to normal manufacturing tolerances.

### CONDUCTORS:

Stranded, uncoated, bare copper per ASTM B787 and ASTM B8.

### CONDUCTORS INSULATION:

Cross-Linked Polyethylene (XLP) insulation per UL-44.

### SPECIFICATIONS:

Sunlight Resistant (all sizes and colors). VW-1 available in all sizes.

Lead free-ROHS Compliant. CT USE (1/0 and larger) CUL-TYPE RW90

## APPLICATION NOTES

Type XHHW-2 conductors are primarily used in conduit or other recognized raceways for services, feeders, and branch circuit wiring, as specified in the National Electric Code (NEC). XHHW-2 conductors may be used in wet or dry locations at temperatures not to exceed 90°C. XHHW-2 conductors are rated for 600 volts. Insulation rated for use to -40°C (UL).