


600 V	600V, 1CONDUCTOR, XLPE INSULATION, NO JACKET (LIGHTING CABLE) (XHHW-2)	TYPE <u>L1</u> SPEC <u>70.0100</u> PROJECT <u>410518</u>	
SPECIFICATIONS			
REFERENCE:	UL 44, UL 1581.		
CONDUCTOR:	CONCENTRIC-LAY UNCOATED COPPER, MAXIMUM OPERATING TEMPERATURE 90 C WET OR DRY.		
INSULATION:	CROSS-LINKED POLYETHYLENE (XLPE), UL 1581.		
JACKET:	NONE.		
FACTORY TESTS:	CABLE SHALL MEET THE REQUIREMENTS OF UL 44 FOR XHHW-2.		
CABLE DETAILS			
CONDUCTOR SIZE (AWG OR KCMIL)	NUMBER OF STRANDS	AVERAGE INSULATION THICKNESS (INCHES)	O.D. MAX (INCHES)
14	7	0.030	0.15
12	7	0.030	0.19
10	7	0.030	0.21
8	7	0.045	0.28
6	7	0.045	0.31
4	7	0.045	0.37
2	7	0.045	0.43
1	19	0.055	0.49
1/0	19	0.055	0.53
2/0	19	0.055	0.58
4/0	19	0.055	0.69
250	37	0.065	0.76
350	37	0.065	0.85
500	37	0.065	0.98
750	61	0.080	1.20
1000	61	0.080	1.36
A DURABLE MARKING SHALL BE PROVIDED ON THE SURFACE OF THE CABLE AT INTERVALS NOT EXCEEDING 24 INCHES. MARKING SHALL INCLUDE MANUFACTURER'S NAME, XHHW-2, CONDUCTOR SIZE, AND 600 V.			
INSULATION COLOR CODING SHALL BE AS INDICATED ON THE DRAWINGS.			
 BLACK & VEATCH Building a world of difference.®	JEA -BRANDY BRANCH ENERGY CENTER WAREHOUSE		600-1-XLPE-NONE XHHW-2 SHEET 1 OF 1
AL06XX1A	CABLE SPECIFICATION		Dec 2013