

## 600 Volt TYPE XHHW-2

Low Voltage Building Wire



### Description

Single copper or aluminum Series 8000 conductor with 600 Volt, XLPE insulation.

### Specifications

**UL-** UL 44

**FED-** Federal Specification JC-30B

**ICEA-** ICEA S-95-658

For 90°C Wet or Dry Operation.

### Ratings

XHHW-2

Sunlight Resistant

### Design Parameters

**CONDUCTOR:** Single conductor, Class B concentric compressed stranded annealed copper or Class B concentric compact aluminum Series 8000 per ASTM.

**INSULATION:** High quality, tough, heat resistant, and moisture resistant, thermosetting cross-linked polyethylene insulation.

### Options

- VW-1
- Compact Copper Conductor
- Compressed Aluminum Conductor
- CT Rated (1/0 AWG and Larger)

### Installations



Conduit in Air



Wet Locations



Industrial



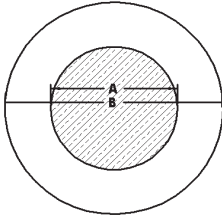
Isolated in Air



Dry Locations

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Product Number	Conductor	Insulation Thickness (mils)	Conductor Diameter (in.)		Overall Diameter (in.)	Cable Weight (lbs./Kft)	† Ampacity (Amps)	
			(A)	(B)			Raceway	In Free Air
<b>600 Volt Copper</b>								
5 Q00810A	8 AWG CU	45	0.143	0.24	64	55	80	
5 Q01810A	6 AWG CU	45	0.180	0.27	96	75	105	
5 Q02810A	4 AWG CU	45	0.226	0.32	147	95	140	
5 QYZ034A	3 AWG CU	45	0.253	0.35	183	115	165	
5 Q03810A	2 AWG CU	45	0.284	0.38	228	130	190	
5 Q06810A	1 AWG CU	55	0.324	0.44	289	145	220	
5 Q08810A	1/0 AWG CU	55	0.364	0.48	361	170	260	
5 Q09810A	2/0 AWG CU	55	0.408	0.53	449	195	300	
5 Q0A810A	3/0 AWG CU	55	0.458	0.58	560	225	350	
5 Q0B810A	4/0 AWG CU	55	0.515	0.63	700	260	405	
5 Q0C810A	250 MCM CU	65	0.561	0.70	829	290	455	
5 QYZ035A	300 MCM CU	65	0.614	0.75	988	320	500	
5 Q0D810A	350 MCM CU	65	0.664	0.80	1147	350	570	
5 QYZ036A	400 MCM CU	65	0.710	0.85	1312	380	615	
5 Q0E810A	500 MCM CU	65	0.794	0.94	1620	430	700	
5 QYZ037A	600 MCM CU	80	0.870	1.04	1958	475	780	
5 Q0F810A	750 MCM CU	80	0.974	1.15	2444	535	885	
Q0G810A	1000 MCM CU	80	1.124	1.29	3273	615	1055	

**PRODUCT NOTES:**

5 Items are Prysmian authorized stock. The above dimensions are approximate and subject to normal manufacturing tolerances.

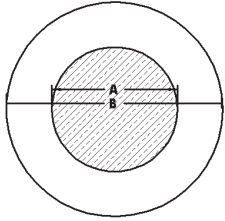
† Ampacities are based on the following:

In Raceway 2011 NEC Table 310.15(B)(16):  
Not more than three current-carrying conductors, 90°C conductor temperature, and 30°C ambient temperature.

In Free Air 2011 NEC Table 310.15(B)(17):  
Single-insulated conductor, 90°C conductor temperature, and 30°C ambient temperature.

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			(A)	(B)		Raceway	In Free Air
<b>600 Volt Series 8000 Aluminum</b>							
<sup>5</sup> QOJ818A	6 AWG AL	45	0.171	0.27	39	55	85
<sup>5</sup> QOK818A	4 AWG AL	45	0.215	0.32	59	75	115
<sup>5</sup> QOM818A	2 AWG AL	45	0.266	0.37	86	100	150
<sup>5</sup> QOO818A	1 AWG AL	55	0.299	0.42	112	115	175
<sup>5</sup> QOQ818A	1/0 AWG AL	55	0.336	0.46	135	135	205
<sup>5</sup> QOR818A	2/0 AWG AL	55	0.379	0.50	164	150	235
<sup>5</sup> QOS818A	3/0 AWG AL	55	0.423	0.55	203	175	275
<sup>5</sup> QOT818A	4/0 AWG AL	55	0.479	0.60	246	205	315
<sup>5</sup> QOU818A	250 MCM AL	65	0.520	0.66	298	230	355
<sup>5</sup> QYZ030A	300 MCM AL	65	0.570	0.71	345	260	395
<sup>5</sup> QOV818A	350 MCM AL	65	0.622	0.76	398	280	445
<sup>5</sup> QYZ031A	400 MCM AL	65	0.659	0.80	449	305	480
<sup>5</sup> QOW818A	500 MCM AL	65	0.742	0.88	552	350	545
<sup>5</sup> QYZ032A	600 MCM AL	80	0.813	0.99	681	385	615
<sup>5</sup> QYZ033A	700 MCM AL	80	0.877	1.05	783	425	670
<sup>5</sup> QOX818A	750 MCM AL	80	0.917	1.09	824	435	700
307419A	900 MCM AL	80	1.009	1.18	960	480	790
QOY818A	1000 MCM AL	80	1.071	1.24	1074	500	845

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