

## 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

## Ratings

XHHW-2

Sunlight Resistant

For 90°C Wet or Dry Operation.



## 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

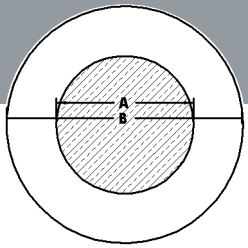
 Conduit in Air

 Isolated in Air

 Wet Locations

 Dry Locations

 Industrial



# TYPE XHHW-2

600 Volt

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>								
▲ QØØ81ØA	8 AWG CU	45	0.143	0.24	64	55	80	
▲ QØ181ØA	6 AWG CU	45	0.180	0.27	96	75	105	
▲ QØ281ØA	4 AWG CU	45	0.226	0.32	147	95	140	
▲ QYZØ34A	3 AWG CU	45	0.253	0.35	183	110	165	
▲ QØ381ØA	2 AWG CU	45	0.284	0.38	228	130	190	
▲ QØ681ØA	1 AWG CU	55	0.324	0.44	289	150	220	
▲ QØ881ØA	1/0 AWG CU	55	0.364	0.48	361	170	260	
▲ QØ981ØA	2/0 AWG CU	55	0.408	0.53	449	195	300	
▲ QØA81ØA	3/0 AWG CU	55	0.458	0.58	560	225	350	
▲ QØB81ØA	4/0 AWG CU	55	0.515	0.63	700	260	405	
▲ QØC81ØA	250 MCM CU	65	0.561	0.70	829	290	455	
▲ QYZØ35A	300 MCM CU	65	0.614	0.75	988	320	405	
▲ QØD81ØA	350 MCM CU	65	0.664	0.80	1147	350	570	
▲ QYZØ36A	400 MCM CU	65	0.710	0.85	1312	380	615	
▲ QØE81ØA	500 MCM CU	65	0.794	0.94	1620	430	700	
▲ QYZØ37A	600 MCM CU	80	0.870	1.04	1958	475	780	
▲ QØF81ØA	750 MCM CU	80	0.974	1.15	2444	535	885	
QØG81ØA	1000 MCM CU	80	1.124	1.29	3273	615	1055	

Information Subject to Change without Notice.

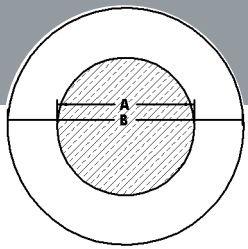
**PRODUCT NOTES:**

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

†Ampacities are based on the following:

In Raceway (NEC Table 310-16): Not more than three current-carrying conductors, 90°C conductor temperature, and 30°C ambient temperature.

In Free Air (NEC Table 310-17): Single-insulated conductor, 90°C conductor temperature, and 30°C ambient temperature.



# TYPE XHHW-2

600 Volt

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 Series 8000 Aluminum</b>								
▲ QØJ818A	6 AWG AL	45	0.171	0.27	39	60	80	
▲ QØK818A	4 AWG AL	45	0.215	0.32	59	75	110	
▲ QØM818A	2 AWG AL	45	0.266	0.37	86	100	150	
▲ QØO818A	1 AWG AL	55	0.299	0.42	112	115	175	
▲ QØQ818A	1/0 AWG AL	55	0.336	0.46	135	135	205	
▲ QØR818A	2/0 AWG AL	55	0.379	0.50	164	150	235	
▲ QØS818A	3/0 AWG AL	55	0.423	0.55	203	175	275	
▲ QØT818A	4/0 AWG AL	55	0.479	0.60	246	205	315	
▲ QØU818A	250 MCM AL	65	0.520	0.66	298	230	355	
▲ QYZØ3ØA	300 MCM AL	65	0.570	0.71	345	255	395	
▲ QØV818A	350 MCM AL	65	0.622	0.76	398	280	445	
▲ QYZØ31A	400 MCM AL	65	0.659	0.80	449	305	480	
▲ QØW818A	500 MCM AL	65	0.742	0.88	552	350	545	
▲ QYZØ32A	600 MCM AL	80	0.813	0.99	681	385	615	
▲ QYZØ33A	700 MCM AL	80	0.877	1.05	783	420	675	
▲ QØX818A	750 MCM AL	80	0.917	1.09	824	435	700	
▲ QØY818A	1000 MCM AL	80	1.071	1.24	1074	500	845	

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