A brand of the Prysmian Group

600 Volt TYPE XHHW-2 CT

Low Voltage Building Wire

Description

Single copper conductor with 600 Volt, XLPE insulation.

Specifications

UL- UL 44

Ratings

CT Use (1/0 AWG and Larger)
Type XHHW-2
VW-1
Sunlight Resistant

FED- Federal Specification JC-30B

ICEA- ICEA S-95-658

IEEE- IEEE 383 Flame Test (1/0 AWG and Larger)

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 with separator tape.

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

Options

- Compact Copper Conductor
- Compressed Aluminum Conductor

Installations

Conduit in Air

Isolated in Air

Wet Locations

Dry Locations

In Cable Tray

Industrial

Prysmian Group
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102C 2013-07-03

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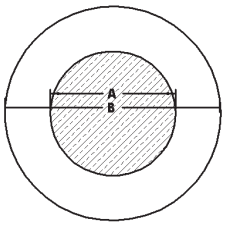
600 Volt TYPE XHHW-2 CT RATED

Low Voltage Building Wire



Product Number	Conductor	Insulation Thickness (mils)	Conductor Diameter (in.)	Overall Diameter (in.)	Cable Weight (lbs/kft)	†Ampacity (Amps)	
			(A)	(B)		Raceway	In Free Air
600 Volt Copper							
Q0081AA	8 AWG CU	45	0.143	0.24	64	55	80
Q0181AA	6 AWG CU	45	0.180	0.27	96	75	105
Q0281AA	4 AWG CU	45	0.226	0.32	147	95	140
QYZ039A	3 AWG CU	45	0.253	0.34	181	115	165
Q0381AA	2 AWG CU	45	0.284	0.38	228	130	190
Q0681AA	1 AWG CU	55	0.324	0.44	289	145	220
Q0881AA	1/0 AWG CU	55	0.364	0.48	361	170	260
Q0981AA	2/0 AWG CU	55	0.408	0.53	449	195	300
Q0A81AA	3/0 AWG CU	55	0.458	0.58	560	225	350
Q0B81AA	4/0 AWG CU	55	0.515	0.63	700	260	405
Q0C81AA	250 MCM CU	65	0.561	0.70	829	290	455
QYZ040A	300 MCM CU	65	0.614	0.75	988	320	500
Q0D81AA	350 MCM CU	65	0.664	0.80	1147	350	570
QYZ041A	400 MCM CU	65	0.710	0.85	1312	380	615
Q0E81AA	500 MCM CU	65	0.794	0.94	1620	430	700
QYZ042A	600 MCM CU	80	0.870	1.04	1958	475	780
Q0F81AA	750 MCM CU	80	0.974	1.15	2444	535	885
Q0G81AA	1000 MCM CU	80	1.124	1.29	3273	615	1055

PRODUCT NOTES:

[S] 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.

In Cable Tray2011 NEC 392.80(A)(2)(c): For single-conductor cables 1/0 AWG and larger, ampacities shall not exceed the allowable ampacities stated in NEC Table 310-17.

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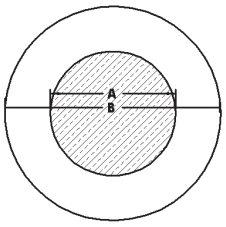

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			(A)	(B)		Raceway	In Free Air
600 Volt Series 8000 Aluminum							
Q0J81AA	6 AWG AL	45	0.171	0.27	39	55	85
Q0K81AA	4 AWG AL	45	0.215	0.32	59	75	115
Q0M81AA	2 AWG AL	45	0.266	0.37	86	100	150
Q0O81AA	1 AWG AL	55	0.299	0.42	112	115	175
Q0Q81AA	1/0 AWG AL	55	0.336	0.46	135	135	205
Q0R81AA	2/0 AWG AL	55	0.379	0.50	164	150	235
Q0S81AA	3/0 AWG AL	55	0.423	0.55	203	175	270
Q0T81AA	4/0 AWG AL	55	0.479	0.60	246	205	315
Q0U81AA	250 MCM AL	65	0.520	0.66	298	230	355
30654AA	300 MCM AL	65	0.570	0.71	345	260	395
Q0V81AA	350 MCM AL	65	0.622	0.76	398	280	445
306561A	400 MCM AL	65	0.659	0.80	449	305	480
Q0W81AA	500 MCM AL	65	0.742	0.88	552	350	545
Q0X81AA	750 MCM AL	80	0.917	1.09	824	435	700
Q0Y81AA	1000 MCM AL	80	1.071	1.24	1074	500	845

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