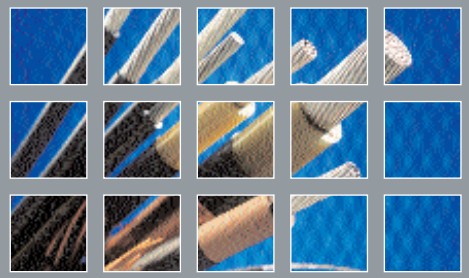
600 Volt TYPE XHHW-2 CT RATED



2011.03.24

Description

Single copper conductor with 600 Volt, XLPE insulation.

Specifications		Ratings
UL	UL 44	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 Clss 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

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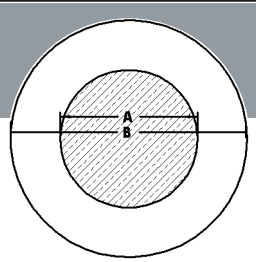

TYPE XHHW-2 CT RATED

600 Volt

Product Number	Conductor	Insulation Thickness (mils)	Conductor Diameter (in.) (A)	Overall Diameter (in.) (B)	Calbe Weight (lbs/kft)	† Ampacity (Amps) Raceway	† Ampacity (Amps) In Free Air
600 Volt Copper							
QØØ81AA	8 AWG CU	45	0.143	0.24	64	55	80
QØ181AA	6 AWG CU	45	0.180	0.27	96	75	105
QØ281AA	4 AWG CU	45	0.226	0.32	147	95	140
QYZØ39A	3 AWG CU	45	0.253	0.34	181	110	165
QØ381AA	2 AWG CU	45	0.284	0.38	228	130	190
QØ681AA	1 AWG CU	55	0.324	0.44	289	150	220
QØ881AA	1/0 AWG CU	55	0.364	0.48	361	170	260
QØ981AA	2/0 AWG CU	55	0.408	0.53	449	195	300
QØA81AA	3/0 AWG CU	55	0.458	0.58	560	225	350
QØB81AA	4/0 AWG CU	55	0.515	0.63	700	260	405
QØC81AA	250 MCM CU	65	0.561	0.70	829	290	455
QYZØ4ØA	300 MCM CU	65	0.614	0.75	988	320	505
QØD81AA	350 MCM CU	65	0.664	0.80	1147	350	570
QYZØ41A	400 MCM CU	65	0.710	0.85	1312	380	615
QØE81AA	500 MCM CU	65	0.794	0.94	1620	430	700
QYZØ42A	600 MCM CU	80	0.870	1.04	1958	475	780
QØF81AA	750 MCM CU	80	0.974	1.15	2444	535	885
QØG81AA	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.

In Cable Tray (NEC Article 318-11): For single-conductor cables installed in accordance with NEC Article 318-9, ampacities shall not exceed the allowable ampacities stated in NEC Table 310-17.

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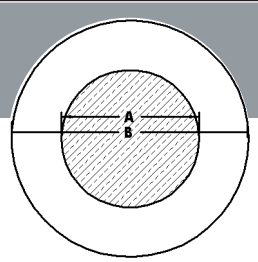

TYPE XHHW-2

600 Volt

Product Number	Conductor	Insulation Thickness (mils)	Conductor Diameter (in.) (A)	Overall Diameter (in.) (B)	Cable Weight (lbs/kft)	† Ampacity (Amps) Raceway	† Ampacity (Amps) In Free Air
600 Volt Series 8000 Aluminum							
QØJ81AA	6 AWG AL	45	0.171	0.27	39	60	80
QØK81AA	4 AWG AL	45	0.215	0.32	59	75	110
QØM81AA	2 AWG AL	45	0.266	0.37	86	100	150
QØO81AA	1 AWG AL	55	0.299	0.42	112	115	175
QØQ81AA	1/0 AWG AL	55	0.336	0.46	135	135	205
QØR81AA	2/0 AWG AL	55	0.379	0.50	164	150	235
QØS81AA	3/0 AWG AL	55	0.423	0.55	203	175	275
QØT81AA	4/0 AWG AL	55	0.479	0.60	246	205	315
QØU81AA	250 MCM AL	65	0.520	0.66	298	230	355
30654AA	300 MCM AL	65	0.570	0.71	345	255	395
QØV81AA	350 MCM AL	65	0.622	0.76	398	280	445
306561A	400 MCM AL	65	0.659	0.80	449	305	480
QØW81AA	500 MCM AL	65	0.742	0.88	552	350	545
QØX81AA	750 MCM AL	80	0.917	1.09	824	435	700
QØY81AA	1000 MCM AL	80	1.071	1.24	1074	500	845

Information Subject to Change without Notice.

PRODUCT NOTES:

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†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.

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