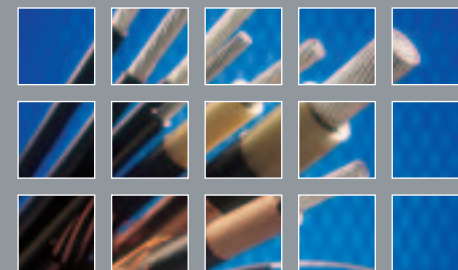




# 600 Volt TYPE XHHW-2 CT RATED



July 2002

## 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, annealed Class B Compressed concentric copper stranded per ASTM.

### Insulation

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

## Options

- Compact Conductor

## Installations

Conduit in Air

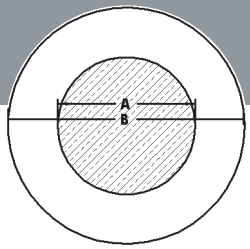
Isolated in Air

Wet Locations

Dry Locations

In Cable Tray

Industrial



# TYPE XHHW-2 CT RATED

600 Volt

Product Number	Conductor	Insulation Thickness (mil)	Conductor Diameter (in.)		Overall Diameter (in.)	Cable Weight (lbs./kft)	† Ampacity (Amps)	
			(A)	(B)			Raceway	In Free Air
<b>600 Volt Copper</b>								
QØØ81AA	8 AWG CU	45	0.143	0.24	70	55	80	
QØ181AA	6 AWG CU	45	0.180	0.28	100	75	105	
QØ281AA	4 AWG CU	45	0.226	0.33	150	95	140	
QYZØ39A	3 AWG CU	45	0.253	0.34	181	110	165	
QØ381AA	2 AWG CU	45	0.284	0.39	240	130	190	
QØ681AA	1 AWG CU	55	0.324	0.45	290	150	220	
QØ881AA	1/0 AWG CU	55	0.364	0.49	360	170	260	
QØ981AA	2/0 AWG CU	55	0.408	0.53	450	195	300	
QØA81AA	3/0 AWG CU	55	0.458	0.58	560	225	350	
QØB81AA	4/0 AWG CU	55	0.515	0.64	700	260	405	
QØC81AA	250 MCM CU	65	0.561	0.70	830	290	455	
QYZØ4ØA	300 MCM CU	65	0.614	0.74	975	320	505	
QØD81AA	350 MCM CU	65	0.664	0.80	1160	350	570	
QYZØ41A	400 MCM CU	65	0.710	0.84	1288	380	615	
QØE81AA	500 MCM CU	65	0.794	0.93	1640	430	700	
QYZØ42A	600 MCM CU	80	0.870	1.03	1934	475	780	
QØF81AA	750 MCM CU	80	0.974	1.15	2460	535	885	
QØG81AA	1000 MCM CU	80	1.124	1.29	3260	615	1055	

Information Subject to Change without Notice.

**PRODUCT NOTES:**

▲ Items are Pirelli 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.

