



# Three & Four Conductor Aluminum ACWU90-HL 600V XLPE Insulation

PWC Part Number	Conductor Size (AWG/kcmil)	Ground Wire Size (AWG)	Min. Avg. Insulation Thickness (mm)	Nominal Diameter			Weight (kg/km)	Ampacity @ 30°C Ambient*	
				Insulation (mm)	Armour (mm)	Cable (mm)		Ampacity (75°C)	Ampacity (90°C)
<b>Three Conductor</b>									
6-03ACWU	6	8	0.76	6.8	19.9	22.3	484	50	55
4-03ACWU	4	6	1.02	7.9	23.3	25.8	657	65	75
2-03ACWU	2	6	1.02	9.3	26.5	29.0	840	90	100
1-03ACWU	1	4	1.27	10.6	29.6	32.0	1008	100	115
1/0-03ACWU	1/0	4	1.27	11.6	31.8	34.2	1166	120	135
2/0-03ACWU	2/0	4	1.27	12.6	34.1	36.6	1336	135	150
3/0-03ACWU	3/0	4	1.27	13.8	36.8	39.3	1559	155	175
4/0-03ACWU	4/0	4	1.27	15.1	39.8	42.2	1809	180	205
250-03ACWU	250	2	1.52	16.8	46.0	48.9	2309	205	230
300-03ACWU	300	2	1.52	17.5	48.1	50.7	2661	230	260
350-03ACWU	350	2	1.52	19.2	51.5	54.4	2905	250	280
500-03ACWU	500	1	1.52	22.3	58.6	61.4	3815	310	350
600-03ACWU	600	1	1.52	25.0	61.6	65.1	4519	340	385
750-03ACWU	750	1/0	1.52	27.4	68.7	73.7	5513	385	435
<b>Four Conductor</b>									
6-04ACWU	6	8	0.76	6.8	23.7	26.2	538	50	55
4-04ACWU	4	6	1.02	7.6	27.2	29.3	696	65	75
2-04ACWU	2	6	1.02	9.3	27.7	30.2	943	90	100
1-04ACWU	1	4	1.27	10.6	31.0	33.4	1149	100	115
1/0-04ACWU	1/0	4	1.27	11.6	33.3	35.7	1323	120	135
2/0-04ACWU	2/0	4	1.27	12.6	35.7	38.2	1543	135	150
3/0-04ACWU	3/0	4	1.27	13.8	40.9	43.8	1990	155	175
4/0-04ACWU	4/0	4	1.27	15.1	44.0	46.8	2316	180	205
250-04ACWU	250	2	1.52	16.8	48.2	51.1	2732	205	230
350-04ACWU	350	2	1.52	19.2	54.0	56.9	3475	250	280
500-04ACWU	500	1	1.52	22.3	61.4	65.1	4710	310	350
600-04ACWU	600	1	1.52	25.0	68.0	71.6	5615	340	385
750-04ACWU	750	1/0	1.52	27.4	73.7	77.3	6670	385	435

All values are nominal and subject to correction

\*Ampacity based on the 2018 Canadian Electrical Code Part 1 Table 4 for cable with three carrying conductors.

**Application:** ACWU90-HL is for exposed and concealed wiring in wet or dry locations and where exposed to the weather. It is used in ventilated, non-ventilated and ladder type cable trays. ACWU is suitable for direct earth burial (with protection as required by inspection authority), as well as for service entrance above or below ground. The cable is approved for use in and relating to Class I, II and III, Division 1 and 2 Hazardous Locations. Minimum recommended installation temperature is -40°C. Maximum normal operation conductor temperature is 90 °C.

**Conductors:** Compact soft drawn bare 8000 series aluminum, with Class B stranding

**Insulation:** Abrasion, heat, moisture, and sunlight resistant cross-linked polyethylene insulation (XLPE), 600 volt

**Colour Code:** Black/Red/Blue for three conductors, Black/Red/Blue/White for four conductors

**Armour:** Interlocked aluminum armour over the cabled conductors

**Jacket:** Abrasion, heat, moisture and sunlight resistant and low flame spread polyvinyl chloride (PVC) jacket, marked with sequential meter markings, -40°C, black.

**Standards:** Meets or exceeds the following standards  
CSA C22.2 No. 51 Armoured Cables & No. 174 Cables and Cable Glands for Use in Hazardous Locations  
Sunlight Resistant, FT-4, AG-14

**1-877-611-5122**