



ALUMINUM ACWU90 600v



APPLICATION: ACWU90 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 in wet or dry locations. And is suitable for direct earth burial (with protection as required by Inspection Authority), as well as for service entrance above or below ground. Minimum recommended installation temperature minus 25°C. Maximum conductor temperature 90°C.

DESCRIPTION: Three or Four compact ACM aluminum conductors with low temperature cross-linked polyethylene insulation (RW90 XLPE) and bare aluminum bonding wire in multi-conductor cables. Conductor assembly is wrapped and enclosed in interlocked aluminum armor with a low flame spread sunlight resistant PVC jacket with FT4 and AG14 rating.

SPECIFICATIONS: CSA Spec. C22.2, No. 131-M89, Sunlight Resistant, CSA File Listing: LL90458 Class 581101, FT-4, AG-14

Revision Date:

Revision #:

Approved By: Brian Yu

Signature

Date: 2/16/11

A handwritten signature in black ink, appearing to read "Brian Yu", is written over the "Signature" and "Date" fields.

Conductor Size (AWG/KCMil)	Ground Wire Size (AWG)	Min. Avg. Insulation Thickness (mm)	Nominal Overall Diameter			Aluminum Weight (kg/km)	Net Weight (kg/km)
			Insulation (mm)	Aarmor (mm)	Cable (mm)		
THREE CONDUCTOR							
6	8	1.10	6.76	19.89	22.33	137	484
4	6	1.14	7.87	23.32	25.76	216	657
2	6	1.14	9.27	26.52	28.96	316	840
1	4	1.14	10.62	29.59	32.03	409	1008
1/0	4	1.40	11.58	31.80	34.24	500	1166
2/0	4	1.40	12.60	34.11	36.55	616	1336
3/0	4	1.40	13.79	36.83	39.27	762	1559
4/0	4	1.40	15.06	39.75	42.19	947	1809
250	2	1.65	16.81	46.02	48.87	1146	2309
350	2	1.65	19.23	51.54	54.38	1563	2905
500	1	1.65	22.30	58.57	61.42	2224	3815
600	1	2.03	24.99	61.57	65.10	2667	4519
750	1/0	2.03	27.36	68.73	73.71	3307	5513
FOUR CONDUCTOR							
2	6	1.14	9.27	27.71	30.15	410	943
1	4	1.4	10.62	30.96	33.4	542	1149
1/0	4	1.4	11.58	33.3	35.74	648	1323
2/0	4	1.4	12.6	35.74	38.18	804	1543
3/0	4	1.4	13.79	40.92	43.76	998	1990
4/0	4	1.4	15.06	43.99	46.84	1243	2316
250	2	1.65	16.81	48.21	51.05	1497	2732
350	2	1.65	19.23	54.03	56.87	2052	3475
500	1	1.65	22.3	61.44	65.05	2925	4710
600	1	2.03	24.99	68.02	71.55	3515	5615
750	1/0	2.03	27.36	73.66	77.27	4358	6670

Cable Marking: PRIORITY WIRE <AWG/kcmil (mm²)> ACWU90 (CUL) E# AL COMPACT
STRAND XLPE 600V 90°C <YEAR><SEQ FT>

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