ACWU 90
Aluminum 600V

ElectroPower®

ACWU90 | FLAME RATING | LOW TEMP | HIGH TEMP | UV RESISTANT | WET LOCATION | CHEMICAL RESISTANT | OIL RESISTANT | IMPACT RESISTANT | CABLE TRAY | EXPOSED RUN | DIRECT BURIAL | HAZARDOUS LOCATION

1 Conductor ACWU90 600V CSA FT4

1C

Part No.	Power Conductor	Bonding Conductor	Insulation Thickness		Armour O.D.		Cable O.D.		Cable Weight		Max Pulling Tension		Min Bend Radius		Ampacity
	AWG/kcmil	AWG	in	mm	in	mm	in	mm	lbs/Mft	kg/km	lbs	kg	in	mm	A
91901/0	1/0	4	0.055	1.40	0.885	22.48	0.960	24.38	480	715	694	315	13.4	341	135
91902/0	2/0	2	0.055	1.40	0.895	22.73	0.979	24.87	512	762	899	408	13.7	348	150
91903/0	3/0	2	0.055	1.40	0.985	25.02	1.085	27.56	517	770	1125	510	15.2	386	175
91904/0	4/0	2	0.055	1.40	0.995	25.27	1.095	27.81	524	780	1400	635	15.3	389	205
919250	250	1	0.065	1.65	1.075	27.31	1.159	29.44	628	935	1717	779	16.2	412	230
919300	300	1	0.065	1.65	1.125	28.58	1.209	30.71	695	1035	1936	878	16.9	430	260
919350	350	1/0	0.065	1.65	1.200	30.48	1.285	32.64	756	1125	2465	1118	18.0	457	280
919400	400	1/0	0.065	1.65	1.290	32.77	1.375	34.93	833	1240	2653	1204	19.3	489	305
919500	500	2/0	0.065	1.65	1.305	33.15	1.385	35.18	957	1425	3268	1482	19.4	493	350
919600	600	2/0	0.080	2.03	1.415	35.94	1.520	38.61	1102	1640	4034	1830	21.3	541	385
919750	750	3/0	0.080	2.03	1.555	39.50	1.655	42.04	1351	2010	5189	2354	23.2	589	435
9191000	1000	3/0	0.080	2.03	1.670	42.42	1.790	45.47	1609	2395	6869	3116	25.1	637	500

Ampacity values based on CE Code Part I 2024, Table 4. Correction factors may apply. Dimensions and weights are nominal and subject to change without notice.

Specifications and Compliances

- CSA C22.2 No. 51, Armoured Cables (Type ACWU90)
- CSA C22.2 No. 38, Thermoset-insulated wires and cables (Type RW90)
- CSA C22.2 No. 174, Cables and cable glands for use in hazardous locations
- CSA C22.2 No. 2556 FT4, UL 1685 Vertical-Tray Flame Test
- IEEE 383 & 1202, ICEA T-30-520 (70,000 BTU/hr) Vertical Flame Test rated
- -40°C Cold Bend and -40°C Cold Impact

Conductor Stranded AA-8000 Series Aluminum Alloy (ACM)

Insulation Cross-linked Polyethylene (XLPE)
CSA Type XL 90°C dry/wet 600V

Bonding Helically applied solid bare AA-8000 Series Aluminum Alloy (ACM) strands

Armour Aluminum Interlock Armour (AIA)

Jacket Low Acid Gas Polyvinyl Chloride (PVC)

Applications

- For use in raceways, ventilated, non-ventilated and ladder-type cable trays.
- For dry, damp or wet locations, in ceiling air-handling plenums, direct burial, exposed and concealed wiring.
- Approved for all Hazardous Locations (HL) as per CE Code Part 2024 Section 18, when installed with approved connectors.

RoHS COMPLIANT | REACH COMPLIANCE | intertek

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Electro cables