

ACWU90 AL 600 Volts 90°C FT4 PVC Jacket



One, three or four class B stranded AL (AA 1350) conductors with low temperature 600v XLPE insulation and a bare ACM bonding wire. Conductor assembly paper wrapped and covered with bare interlocked aluminum armour. FT4 Black S/R Rated jacket

Specifications and Compliance

Industry 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
- -40° C Cold Bend and -40° C Cold Impact

Flame test compliances:

- CSA C22.2 No. 2556, FT4 Vertical-Tray Flame Test

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One Conductor

RW Item No.	No. of Conductors	Conductor AWG/MCM	Conductor Standing	Bonding Wire AWG	Insulation Thickness Inches	Ampacity @ 90°C	Ampacity @ 75°C	Nominal OD Armour	Nominal OD Jacket	Cable Weight (LBS/KM)
ACWU004-01	1	4/0	19	#4 (7)	0.055	315	280	0.99	1.10	2.214
ACWU250-01	1	250	37	#3 (7)	0.065	355	315	1.06	1.16	2591
ACWU350-01	1	350	37	#2 (7)	0.065	455	395	1.19	1.29	3198
ACWU500-01	1	500	37	#1 (19)	0.065	545	485	1.31	1.42	4084
ACWU600-01	1	600	61	#1 (19)	0.080	615	545	1.42	1.53	4593
ACWU750-01	1	750	61	1/0 (19)	0.080	700	620	1.56	1.69	5577
ACWU1000-01	1	1000	61	1/0 (19)	0.080	845	750	1.71	1.84	6562

All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without notice.

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Three Conductor

RW Item No.	No. of Conductors	Conductor AWG/MCM	Conductor Standing	Bonding Wire AWC	Insulation Thickness Inches	Ampacity @ 90°C	Ampacity @ 75°C	Nominal OD Armour	Nominal OD Jacket	Cable Weight (LBS/KM)
ACWU06-03	3	#6	7	#8 (7)	0.045	55	50	0.82	0.91	1181
ACWU04-03	3	#4	7	#6 (7)	0.045	75	65	0.93	1.02	1492
ACWU02-03	3	#2	7	#6 (7)	0.045	100	90	1.04	1.14	1886
ACWU01-03	3	#1	7	# 4 (7)	0.045	115	100	1.16	1.24	2296
ACWU001-03	3	1/0	19	#4 (7)	0.055	135	120	1.25	1.33	2608
ACWU002-03	3	2/0	19	#4 (7)	0.055	150	135	1.34	1.42	3002
ACWU003-03	3	3/0	19	#4 (7)	0.055	175	155	1.41	1.50	3477
ACWU004-03	3	4/0	19	#4 (7)	0.055	205	180	1.52	1.63	4166
ACWU250-03	3	250	37	#2 (7)	0.065	230	205	1.67	1.77	4855
ACWU300-03	3	300	37	#2 (7)	0.065	260	230	1.74	1.85	5938
ACWU350-03	3	350	37	#2 (7)	0.065	280	250	1.88	1.96	6594
ACWU400-03	3	400	37	#2 (7)	0.065	305	270	1.95	2.05	7168
ACWU500-03	3	500	37	#1 (19)	0.065	350	310	2.21	2.31	8743
ACWU600-03	3	600	37	#1 (19)	0.080	385	340	2.45	2.79	10,302
ACWU750-03	3	750	37	#1 (19)	0.080	435	385	2.66	2.91	12,172

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Four Conductors

RW Item No.	No. of Conductors	Conductor AWG/MCM	Conductor Standing	Bonding Wire AWC	Insulation Thickness Inches	Ampacity @ 90°C	Ampacity @ 75°C	Nominal OD Armour	Nominal OD Jacket	Cable Weight (LBS/KM)
ACWU06-04	4	#6	7	#8 (7)	0.045	55	50	0.88	0.97	1410
ACWU04-04	4	#4	7	#6 (7)	0.045	75	65	1.03	1.12	1804
ACWU02-04	4	#2	7	#6 (7)	0.045	100	90	1.13	1.22	2313
ACWU01-04	4	#1	7	# 4 (7)	0.045	115	100	1.28	1.37	2805
ACWU001-04	4	1/0	19	#4 (7)	0.055	135	120	1.36	1.46	3231
ACWU002-04	4	2/0	19	#4 (7)	0.055	150	135	1.52	1.62	3822
ACWU003-04	4	3/0	19	#4 (7)	0.055	175	155	1.55	1.69	4429
ACWU004-04	4	4/0	19	#4 (7)	0.055	205	180	1.71	1.81	5594
ACWU250-04	4	250	37	#2 (7)	0.065	230	205	1.87	1.99	6529
ACWU300-04	4	300	37	#2 (7)	0.065	260	230	2.05	2.14	7398
ACWU350-04	4	350	37	#2 (7)	0.065	280	250	2.15	2.25	8235
ACWU400-04	4	400	37	#2 (7)	0.065	305	270	2.24	2.34	9252
ACWU500-04	4	500	37	#1 (19)	0.065	350	310	2.47	2.57	11,056
ACWU600-04	4	600	37	#1 (19)	0.080	385	340	2.80	2.93	13,009
ACWU750-04	4	750	37	#1 (19)	0.080	435	385	3.01	3.14	15.683

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*Ampacities based on CEC 2021

Colour Coding

- 1C Black
- 3C Black, white & red
- 4C Black, white, red & blue
- #1 awg and larger black with numbering

Features

- Excellent crush resistance
- TC Rated
- Direct Burial
- Cost effective alternative to installations in conduit
- Meets cold bend and impact tests at (-40°C)
- Sun resistant Black FT4 Jacket

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Application

- For exposed and concealed wiring in dry, and wet locations
- Direct Burial
- For use in ventilated, non-ventilated and ladder-type cable trays in dry locations
- HL Rated
- Armoured cable for commercial, industrial and service entrance