



Conductor:
8 AWG. thru 750 kcmil aluminum
(8000 series aluminum) compact class "B"
strand

Insulation:
Cross-linked Polyethylene (XLPE) Type RW90

Colour Coding:
#8 AWG thru #2 black, red, white
#1 AWG thru 750 kcmil black with printed
colours

Bonding Conductor (Ground):
One (1) bare stranded aluminum
(ACM) conductor

Armour:
Aluminum Interlocked Armour (AIA)

Jacket:
Low acid gas, flame-retardant, moisture and
sunlight resistant Polyvinyl Chloride (PVC),
black. Custom colours available upon request

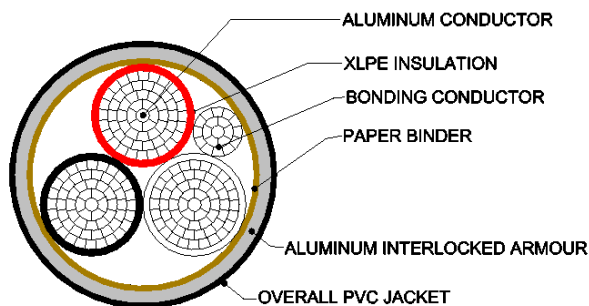
CSA Licence:
LL 109933

Print:
NORTHERN CABLES™ #/C SIZE (AWG OR
KCMIL) COMPCT ALUM ACM STRAND
ACWU90 XLPE 600V HL FT4 (-40C) SUN RES
AG14 CSA METRE MARK

Applications:
For exposed and concealed wiring in dry, damp or wet locations
For use in ventilated, non-ventilated and ladder-type cable trays in
dry, damp or wet locations
For direct earth burial (with protection as required by inspection
authority)
For wiring in hazardous locations when used with certified HL
cable glands
For service entrance installations

Features:
Rated at 90°C wet or dry
Excellent crush, oil and chemical resistance
Provides long service life
Cost effective alternative to installations in conduit
Meets cold bend and impact tests at (-40°C)

Compliances:
Industry compliances: CSA Standard C22.2 No. 51 and No.174, RoHS
Flame test compliances: CSA and FT4, Low Acid Gas
Other compliances: Hazardous Location Rating: HL



PART NO.	NO OF COND.	COND. SIZE (AWG/kcmil)	GROUND WIRE SIZE (AWG/kcmil)	MIN. AVG. INSULATION THICKNESS		NOMINAL DIAMETER (OVER)						NET WEIGHT KG/KM	AMPACITY AT 90° C
						TWISTED CORE		ARMOUR		CABLE			
						INCHES	mm	INCHES	mm	INCHES	mm		
801712	3	8	8	0.045	1.14	0.533	13.5	0.783	19.89	0.870	22.10	422	45
800745	3	6	8	0.045	1.14	0.565	14.4	0.845	21.46	0.932	23.67	498	55*
800935	3	4	6	0.045	1.14	0.675	17.1	0.925	23.50	1.012	25.70	619	75
801713	3	3	6	0.045	1.14	0.744	18.9	0.994	25.25	1.081	27.46	690	85
800746	3	2	6	0.045	1.14	0.785	19.9	1.070	27.18	1.157	29.39	794	100
800853	3	1	4	0.055	1.40	0.902	22.9	1.152	29.26	1.239	31.47	951	115
800830	3	1/0	4	0.055	1.40	1.107	28.1	1.228	31.19	1.314	33.38	1085	135
801009	3	2/0	4	0.055	1.40	1.066	27.1	1.316	33.43	1.403	35.64	1246	150
801068	3	3/0	4	0.055	1.40	1.170	29.7	1.420	36.07	1.507	38.28	1450	175
800753	3	4/0	4	0.055	1.40	1.281	32.5	1.531	38.89	1.636	41.55	1697	205
800261	3	250	2	0.065	1.65	1.391	35.3	1.641	41.68	1.771	44.98	2072	230
801508	3	300	2	0.065	1.65	1.496	38.0	1.836	46.63	1.966	49.94	2378	260
801311	3	350	2	0.065	1.65	1.593	40.5	1.903	48.34	2.000	50.80	2681	280
801510	3	400	2	0.065	1.65	1.686	42.8	1.996	50.70	2.101	53.37	2946	305
801261	3	500	1	0.065	1.65	1.852	47.0	2.152	54.66	2.280	57.91	3585	350
801513	3	600	1	0.080	2.03	2.077	52.8	2.267	57.58	2.518	63.96	4286	385
801380	3	750	1/0	0.080	2.03	2.329	59.2	2.639	67.03	2.770	70.36	5058	435

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

AMPACITY IS BASED ON CEC Part 1 Table 4

*60 AMPS AS PER NOTE IN TABLE 4



(3 conductor shown)

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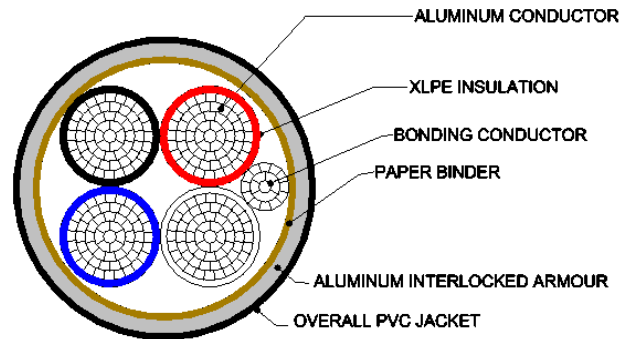
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PART NO.	NO OF COND.	COND. SIZE (AWG/kcmil)	GROUND WIRE SIZE (AWG/kcmil)	MIN. AVG. INSULATION		NOMINAL DIAMETER (OVER)						NET WEIGHT KG/KM	AMPACITY AT 90° C
						TWISTED CORE		ARMOUR		CABLE			
				INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm		
801714	4	8	8	0.045	1.14	0.620	15.7	0.812	20.62	0.899	22.83	451	45
800985	4	6	8	0.045	1.14	0.636	16.2	0.886	22.50	0.973	24.71	569	55*
800923	4	4	6	0.045	1.14	0.745	18.9	0.995	25.27	1.095	27.81	748	75
801715	4	3	6	0.045	1.14	0.805	20.4	1.055	26.80	1.148	29.16	831	85
800922	4	2	6	0.045	1.14	0.870	22.1	1.120	28.45	1.207	30.66	945	100
800256	4	1	4	0.055	1.40	1.003	25.5	1.253	31.83	1.340	34.04	1173	115
800976	4	1/0	4	0.055	1.40	1.096	27.8	1.346	34.19	1.443	36.65	1322	135
801063	4	2/0	4	0.055	1.40	1.195	30.4	1.443	36.65	1.537	39.04	1530	150
801064	4	3/0	4	0.055	1.40	1.311	33.3	1.561	39.65	1.666	42.32	1801	175
800970	4	4/0	4	0.055	1.40	1.436	36.5	1.686	42.82	1.791	45.49	2125	205
801296	4	250	2	0.065	1.65	1.580	40.1	1.935	49.15	2.040	51.82	2647	230
801509	4	300	2	0.065	1.65	1.660	42.2	2.000	50.80	2.130	54.10	3043	260
801238	4	350	2	0.065	1.65	1.786	45.4	2.096	53.24	2.201	55.91	3348	280
801511	4	400	2	0.065	1.65	1.888	48.0	2.198	55.83	2.303	58.50	3802	305
801239	4	500	1	0.650	16.51	2.075	52.7	2.385	60.58	2.516	63.91	4501	350
801514	4	600	1	0.080	2.03	2.326	59.1	2.636	66.95	2.767	70.28	5190	385
801516	4	750	1/0	0.080	2.03	2.602	66.1	2.912	73.96	3.003	76.28	6187	435

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* 60 AMPS AS PER NOTE IN TABLE 4