

# STABILOY® Brand MC (Metal Clad) Cable with PVC Jacket

## XLPE

### 600 V, UL Type MC with PVC Jacket, Multi-Conductor, Aluminum



**Product Construction:**

**Conductor:**

- 6 AWG thru 2 AWG Class B compact stranded aluminum alloy (8000 Series) per ASTM B800 and ASTM B801
- 1 AWG thru 350 kcmil compact stranded SIW aluminum alloy (8000 Series) per ASTM B800, ASTM B801 and ASTM B836
- 400 kcmil thru 900 kcmil Class B compact stranded aluminum alloy (8000 Series) per ASTM B800 and ASTM B801

**Insulation:**

- Flame-retardant Cross-linked Polyethylene (XLPE)

**Markings/Print:**

- The cable assembly is identified with a marker tape placed under the binder tape
- GENERAL CABLE® TYPE MC-ST1 STABILOY® AA-8030 AL 600 V (UL) FOR CT USE (NOT "ST1" ON JACKETED MC UNLESS SO MARKED) FT4/IEEE 1202 NOM ANCE SEQUENTIAL FOOTAGE

**Jacketed Print:**

- GENERAL CABLE (PLT. OF MFG.) TYPE MC STABILOY® AA-8030 AL 600 V FOR CT USE SUN RES DIRECT BURIAL FT4/IEEE 1202 (-40°C) (# OF CDRS) SIZE (AWG OR KCMIL) (MM²) (# OF CDR) SIZE (AWG OR KCMIL) (MM²) (UL) YEAR DATE (TIME OF MFG) NOM ANCE SEQUENTIAL FOOTAGE

**Options:**

- 2000 V RHH/RHW-2 is available
- Other sizes and stranding options available upon request
- Custom constructions and oversize neutrals available

**Applications:**

Jacketed STABILOY® MC cable is used in single phase feeder applications within multi-family residential and similar commercial constructions. Additional applications for STABILOY® MC cable with PVC jacket over armor include:

- Outdoors
- In cable tray
- Direct buried
- Encased in concrete
- Exterior/Interior temporary power
- As aerial cable on a messenger
- In hazardous locations per NEC®
- Maximum operating temperature not to exceed 90°C in wet or dry locations

**Features:**

- Oil Resistant PRI/PRII conductors
- Gas and Oil Res GRI/GRII conductors
- UV/sunlight-resistant, for CT use, moisture-resistant and flame-retardant insulation
- 4 AWG and larger meets cold bend and cold impact tests at -40°C
- Excellent electrical, thermal and physical properties

**Compliances:**

- Industry Compliances:**
- UL 1569 Metal-Clad Cables, UL File #E109108
  - UL 44 Type XHHW-2
  - National Electrical Code (NEC®)

**Flame Test Compliances:**

- CT UL 1685
- UL 2556 FT4/IEEE 1202

**Other Compliances:**

- OSHA Acceptable
- RoHS Compliant

**Packaging:**

- Material cut to length and shipped on non-returnable wood reels

CONDUCTOR SIZE (AWG/kcmil)	MIN. AVG. INSULATION THICKNESS		SUB ASSEMBLY		NOM. CABLE DIAMETER OVER ARMOR		NOM. JACKET DIAMETER OVER ARMOR		NOM. JACKET THICKNESS		ALUMINUM CONDUCTOR WEIGHT		NET WEIGHT	
	IN	mm	IN	mm	IN	mm	IN	mm	IN	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km
<b>THREE CONDUCTORS WITH GROUND</b>														
6-6-6-6*	0.045	1.14	0.61	15.5	0.84	21.3	0.94	23.9	0.050	1.27	99	147	314	467
4-4-4-6*	0.045	1.14	0.68	17.3	0.91	23.1	1.01	25.7	0.050	1.27	143	213	383	570
2-2-2-6*	0.045	1.14	0.77	19.6	1.00	25.4	1.10	27.9	0.050	1.27	212	315	483	719
1-1-1-4*	0.055	1.40	0.90	22.9	1.13	28.7	1.23	31.2	0.050	1.27	276	411	604	899
1/0-1/0-1/0-4*	0.055	1.40	0.96	24.4	1.26	32.0	1.36	34.5	0.050	1.27	337	502	728	1083
2/0-2/0-2/0-4*	0.055	1.40	1.04	26.4	1.34	34.0	1.44	36.6	0.050	1.27	415	618	837	1246
3/0-3/0-3/0-4*	0.055	1.40	1.14	29.0	1.44	36.6	1.54	39.1	0.050	1.27	513	763	975	1451
4/0-4/0-4/0-2*	0.055	1.40	1.25	31.8	1.55	39.4	1.67	42.4	0.060	1.52	660	982	1194	1777
250-250-250-2*	0.065	1.65	1.39	35.3	1.68	42.7	1.80	45.7	0.060	1.52	768	1143	1379	2052
300-300-300-2*	0.065	1.65	1.50	38.1	1.80	45.7	1.92	48.8	0.060	1.52	910	1354	1571	2338
350-350-350-2*	0.065	1.65	1.59	40.4	1.88	47.8	2.00	50.8	0.060	1.52	1051	1564	1753	2609
400-400-400-1*	0.065	1.65	1.70	43.2	2.00	50.8	2.12	53.8	0.060	1.52	1208	1798	1940	2887
500-500-500-1*	0.065	1.65	1.87	47.5	2.16	54.9	2.28	57.9	0.060	1.52	1491	2219	2296	3417
600-600-600-1*	0.080	2.03	2.10	53.3	2.39	60.7	2.54	64.5	0.075	1.91	1773	2639	2796	4161
700-700-700-1/0*	0.080	2.03	2.23	56.6	2.53	64.3	2.68	68.1	0.075	1.91	2076	3089	3170	4717
750-750-750-1/0*	0.080	2.03	2.30	58.4	2.60	66.0	2.75	69.9	0.075	1.91	2217	3299	3346	4979
900-900-900-250*	0.080	2.03	2.50	63.5	2.79	70.9	2.94	74.7	0.075	1.91	2777	4133	4010	5968
<b>FOUR CONDUCTORS WITH GROUND</b>														
6-6-6-6-6*	0.045	1.14	0.63	16.0	0.86	21.8	0.96	24.4	0.050	1.27	123	183	359	534
4-4-4-4-6*	0.045	1.14	0.78	19.8	1.00	25.4	1.10	27.9	0.050	1.27	182	271	460	685
2-2-2-2-6*	0.045	1.14	0.89	22.6	1.11	28.2	1.21	30.7	0.050	1.27	275	409	591	880
1-1-1-1-4*	0.055	1.40	1.03	26.2	1.32	33.5	1.42	36.1	0.050	1.27	354	527	779	1159
1/0-1/0-1/0-1/0-4*	0.055	1.40	1.11	28.2	1.40	35.6	1.50	38.1	0.050	1.27	437	650	897	1335
2/0-2/0-2/0-2/0-4*	0.055	1.40	1.18	30.0	1.48	37.6	1.58	40.1	0.050	1.27	540	804	1035	1540
3/0-3/0-3/0-3/0-4*	0.055	1.40	1.28	32.5	1.58	40.1	1.70	43.2	0.060	1.52	671	999	1243	1850
4/0-4/0-4/0-4/0-2*	0.055	1.40	1.43	36.3	1.72	43.7	1.84	46.7	0.060	1.52	859	1278	1489	2216
250-250-250-250-1*	0.065	1.65	1.59	40.4	1.88	47.8	2.00	50.8	0.060	1.52	1020	1518	1746	2598
300-300-300-300-1*	0.065	1.65	1.69	42.9	1.99	50.5	2.11	53.6	0.060	1.52	1208	1798	1991	2963
350-350-350-350-1/0*	0.065	1.65	1.81	46.0	2.11	53.6	2.23	56.6	0.060	1.52	1417	2109	2256	3357
400-400-400-400-1/0*	0.065	1.65	1.92	48.8	2.21	56.1	2.33	59.2	0.060	1.52	1605	2389	2471	3677
500-500-500-500-2/0*	0.065	1.65	2.11	53.6	2.40	61.0	2.55	64.8	0.075	1.91	2008	2988	3036	4518
500-500-500-500-250*	0.065	1.65	2.25	57.2	2.54	64.5	2.69	68.3	0.075	1.91	2118	3152	3187	4743
600-600-600-600-2/0*	0.080	2.03	2.35	59.7	2.64	67.1	2.79	70.9	0.075	1.91	2384	3548	3599	5356
600-600-600-600-400*	0.080	2.03	2.61	66.3	2.90	73.7	3.05	77.5	0.075	1.91	2635	3921	3929	5847
700-700-700-700-2/0*	0.080	2.03	2.50	63.5	2.80	71.1	2.95	74.9	0.075	1.91	2761	4109	4061	6043
750-750-750-750-3/0*	0.080	2.03	2.58	65.5	2.87	72.9	3.02	76.7	0.075	1.91	2982	4438	4325	6436
750-750-750-750-750*	0.080	2.03	3.04	77.2	3.34	84.8	3.51	89.2	0.085	2.16	3529	5252	5085	7567
900-900-900-900-250*	0.080	2.03	2.83	71.9	3.13	79.5	3.30	83.8	0.085	2.16	3624	5393	5164	7685
900-900-900-900-900*	0.080	2.03	3.32	84.3	3.60	91.4	3.78	96.0	0.085	2.16	4235	6302	5939	8838

Dimensions and weights are nominal; subject to industry tolerances.  
\* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

