

# STABILOY® Brand MC (Metal Clad) Cable

XLPE

600 V, UL Type MC, 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

### Options:

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

### Applications:

STABILOY® Brand MC cable is designed for above-ground applications and is approved for use in many applications including cable tray, power lighting and signal circuits as well as in hazardous locations as permitted in NEC Articles 501, 502, 503 and 504. Ideal applications include:

- For services, feeders and branch circuits
- For power lighting and signal circuits
- Indoors
- In cable tray
- In hazardous locations per NEC®
- In dry locations and embedded in plaster finish on brick or other masonry except in damp or wet conditions
- Interior temporary power
- 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
- 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:

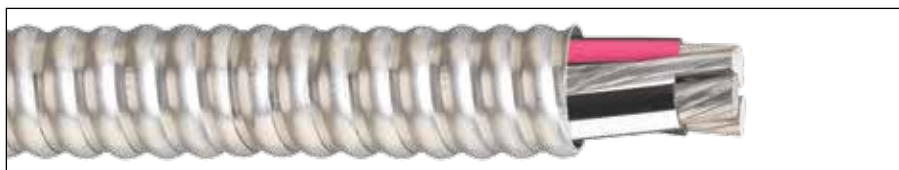
- CT UL 1685
- UL 2556 FT4/IEEE 1202

#### Other Compliances:

- OSHA Acceptable
- RoHS Compliant

### Packaging:

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



CONDUCTOR SIZE (AWG/kcmil)	MINIMUM AVERAGE INSULATION THICKNESS		SUB ASSEMBLY		NOMINAL CABLE DIAMETER OVER ARMOR		ALUMINUM CONDUCTOR WEIGHT		NET WEIGHT	
	INCHES	mm	INCHES	mm	INCHES	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	99	147	231	344
4-4-4-6	0.045	1.14	0.68	17.3	0.91	23.1	143	213	293	436
2-2-2-6	0.045	1.14	0.77	19.6	1.00	25.4	212	315	384	571
1-1-1-4	0.055	1.40	0.90	22.9	1.13	28.7	276	411	494	735
1/0-1/0-1/0-4	0.055	1.40	0.96	24.4	1.26	32.0	337	502	605	900
2/0-2/0-2/0-4	0.055	1.40	1.04	26.4	1.34	34.0	415	618	706	1051
3/0-3/0-3/0-4	0.055	1.40	1.14	29.0	1.44	36.6	513	763	835	1243
4/0-4/0-4/0-2	0.055	1.40	1.25	31.8	1.55	39.4	660	982	1012	1506
250-250-250-2	0.065	1.65	1.39	35.3	1.68	42.7	768	1143	1182	1759
300-300-300-2*	0.065	1.65	1.50	38.1	1.80	45.7	910	1354	1362	2027
350-350-350-2*	0.065	1.65	1.59	40.4	1.88	47.8	1051	1564	1514	2253
400-400-400-1*	0.065	1.65	1.70	43.2	2.00	50.8	1208	1798	1708	2542
500-500-500-1*	0.065	1.65	1.87	47.5	2.16	54.9	1491	2219	2045	3043
600-600-600-1*	0.080	2.03	2.10	53.3	2.39	60.7	1773	2639	2448	3643
700-700-700-1/0*	0.080	2.03	2.23	56.6	2.53	64.3	2076	3089	2803	4171
750-750-750-1/0	0.080	2.03	2.30	58.4	2.60	66.0	2217	3299	2969	4418
900-900-900-250*	0.080	2.03	2.50	63.5	2.79	70.9	2777	4133	3606	5366

<b>FOUR CONDUCTORS WITH GROUND</b>										
CONDUCTOR SIZE (AWG/kcmil)	INCHES	mm	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km
6-6-6-6-6*	0.045	1.14	0.63	16.0	0.86	21.8	123	183	273	406
4-4-4-4-6*	0.045	1.14	0.78	19.8	1.00	25.4	182	271	361	537
2-2-2-2-6	0.045	1.14	0.89	22.6	1.11	28.2	275	409	481	716
1-1-1-1-4	0.055	1.40	1.03	26.2	1.32	33.5	354	527	650	967
1/0-1/0-1/0-1/0-4	0.055	1.40	1.11	28.2	1.40	35.6	437	650	760	1131
2/0-2/0-2/0-2/0-4	0.055	1.40	1.18	30.0	1.48	37.6	540	804	891	1326
3/0-3/0-3/0-3/0-4	0.055	1.40	1.28	32.5	1.58	40.1	671	999	1059	1576
4/0-4/0-4/0-4/0-2	0.055	1.40	1.43	36.3	1.72	43.7	859	1278	1288	1917
250-250-250-250-1	0.065	1.65	1.59	40.4	1.88	47.8	1020	1518	1527	2272
300-300-300-300-1	0.065	1.65	1.69	42.9	1.99	50.5	1208	1798	1760	2619
350-350-350-350-1/0	0.065	1.65	1.81	46.0	2.11	53.6	1417	2109	2012	2994
400-400-400-400-1/0*	0.065	1.65	1.92	48.8	2.21	56.1	1605	2389	2215	3296
500-500-500-500-2/0	0.065	1.65	2.11	53.6	2.40	61.0	2008	2988	2687	3999
500-500-500-500-250*	0.065	1.65	2.25	57.2	2.54	64.5	2118	3152	2820	4197
600-600-600-600-2/0*	0.080	2.03	2.35	59.7	2.64	67.1	2384	3548	3215	4784
600-600-600-600-400	0.080	2.03	2.61	66.3	2.90	73.7	2635	3921	3509	5222
700-700-700-700-2/0*	0.080	2.03	2.50	63.5	2.80	71.1	2761	4109	3656	5441
750-750-750-750-3/0	0.080	2.03	2.58	65.5	2.87	72.9	2982	4438	3909	5817
750-750-750-750-750*	0.080	2.03	3.04	77.2	3.34	84.8	3529	5252	4538	6753
900-900-900-900-250*	0.080	2.03	2.83	71.9	3.13	79.5	3624	5393	4651	6921
900-900-900-900-900*	0.080	2.03	3.32	84.3	3.60	91.4	4235	6302	5348	7959

Dimensions and weights are nominal; subject to industry tolerances.

\* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

<b>GRAVITYGRIP® MC CLAMP</b>			
PIN	PRODUCT DESCRIPTION	PIN	PRODUCT DESCRIPTION
160234	GravityGrip® MC Clamp Range: 1.35 - 1.65"	177475	GravityGrip® MC Clamp Range: 2.50 - 2.75"
164727	GravityGrip® MC Clamp Range: 1.65 - 2.00"	156670	GravityGrip® MC Clamp Range: 2.75 - 3.00"
132262	GravityGrip® MC Clamp Range: 2.00 - 2.25"	182048	GravityGrip® MC Clamp Range: 3.00 - 3.25"
188993	GravityGrip® MC Clamp Range: 2.25 - 2.50"		

Use the GravityGrip® per NEC® recommendations.

Secure MC Cable without the risk of damage to conductors or running the risk of conductor pull-out.

