

STABILOY® Brand MC (Metal Clad) Cable

General Cable's interlocked aluminum armor type MC Cable is designed for above-ground applications. The distinctive features unique to STABILOY® Brand MC Cable provide significant savings in installation cost and time. It is quicker and easier to install than conventional pipe and wire and it is not limited by the 360 degree bend rule.

STABILOY Brand MC Cable consists of either three or four insulated phase-identified conductors plus a bare equipment grounding conductor inside interlocked aluminum alloy armor. STABILOY Brand MC Cable is a UL Listed, factory-produced assembly.

Product Features:

- Compact stranded conductors (AA-8030 aluminum alloy) as recognized in ASTM B800, B801 and B836 standards
- All-in-one assembly offers fewer installation steps, dramatically reducing installation time
- STABILOY Brand aluminum alloy phase conductors with cross-linked polyethylene (XLPE) insulation perform better in cold impact, wet electrical and long-term aging tests
- Overall flexibility not available with a conduit
- Factory tested, engineered product that protects conductors from damage during installation
- Insulation is free of harmful heavy metals in compliance with RoHS, Directive 2002/95/EC
- Terminates safely with industry standard dual rated aluminum lugs
- Meets the requirements of Underwriters Laboratories Inc., Standard 1569 for Metal-Clad Cables and Standard 44 for thermoset insulated conductors

Application:

- For service entrance, feeders and branch circuits
- For power, lighting and signal circuits
- Indoors
- Where exposed or concealed
- In cable tray
- In certain hazardous locations
- In dry locations and embedded in plaster finish on brick or other masonry except in damp or wet conditions
- Interior temporary power



Conductor Size ¹ (AWG or kcmil)	Diameter (inches)			Length Feet	Reel Size (inches)		Weight (LBS/1000 FT)		Rating of OC Device ⁵ (75° C) (AMP)	Rated Ampacity (75° C) (AMP)
	SUB ASSEMBLY ²	W/O JKT. ³	JKT. ⁴		W/O JKT.	JKT.	W/O JKT.	JKT.		
THREE CONDUCTOR WITH GROUND										
6-6-6-6	0.61	0.83	0.93	1000	36x22x18	36x22x18	230	312	50	50
4-4-4-6	0.68	0.90	1.00	1000	36x22x18	36x22x18	291	380	70	65
2-2-2-6	0.77	1.00	1.09	1000	38x22x20	42x28x20	384	482	90	90
1-1-1-4	0.90	1.12	1.22	1000	42x28x20	42x28x20	485	595	100	100
1/0-1/0-1/0-4	0.96	1.18	1.28	1000	42x28x20	42x28x20	576	691	125	120
2/0-2/0-2/0-4	1.05	1.28	1.38	1000	42x28x20	48x28x24	688	813	150	135
3/0-3/0-3/0-4	1.13	1.36	1.46	1000	48x28x24	48x28x24	816	950	175	155
4/0-4/0-4/0-2	1.27	1.55	1.67	1000	60x28x28	60x28x28	995	1176	200	180
250-250-250-2	1.40	1.69	1.81	500	48x28x30	48x28x30	1184	1381	225	205
300-300-300-2	1.51	1.79	1.91	500	48x28x30	48x28x30	1361	1570	250	230
350-350-350-2	1.61	1.89	2.01	500	48x28x30	48x28x30	1535	1755	250	250
400-400-400-1	1.70	1.99	2.11	500	48x28x30	60x28x30	1692	1919	300	270
500-500-500-1	1.87	2.15	2.27	500	60x28x36	60x28x36	2019	2269	350	310
600-600-600-1	2.10	2.38	2.53	500	60x28x36	60x28x36	2420	2766	350	340
700-700-700-1/0	2.24	2.52	2.67	500	66x32x42	66x32x42	2768	3134	400	375
750-750-750-1/0	2.30	2.59	2.74	500	66x32x42	66x32x42	2931	3306	400	385
900-900-900-250	2.50	2.78	2.93	500	66x32x42	66x32x42	3556	3959	450	425
FOUR CONDUCTOR WITH GROUND										
6-6-6-6-6	0.70	0.92	1.02	1000	36X22X18	38X22X20	278	377	50	50
4-4-4-4-6	0.77	1.04	1.09	1000	38X22X20	42X28X20	360	474	70	65
2-2-2-2-6	0.89	1.10	1.20	1000	42X28X20	42X28X20	482	617	90	90
1-1-1-1-4	1.03	1.25	1.35	1000	42X28X20	42X28X20	630	757	100	100
1/0-1/0-1/0-1/0-4	1.11	1.34	1.43	1000	42X28X20	48X28X24	740	871	125	120
2/0-2/0-2/0-2/0-4	1.19	1.41	1.51	1000	48X28X20	48X28X24	872	1071	150	135
3/0-3/0-3/0-3/0-4	1.32	1.58	1.70	1000	48X28X24	60X28X28	1051	1235	175	155
4/0-4/0-4/0-4/0-2	1.46	1.73	1.85	1000	60X28X28	60X28X28	1294	1480	200	180
250-250-250-250-1	1.60	1.89	2.01	500	48X28X30	60X28X36	1498	1730	225	205
300-300-300-300-1	1.70	1.99	2.11	500	60X28X36	60X28X36	1722	1970	250	230
350-350-350-350-1/0	1.83	2.11	2.23	500	60X28X36	60X28X36	1969	2231	250	250
400-400-400-400-1/0	1.91	2.20	2.32	500	60X28X36	60X28X36	2189	2469	300	270
500-500-500-500-2/0	2.11	2.39	2.54	500	60X28X36	60X28X36	2653	3028	350	310
500-500-500-500-250	2.25	2.54	2.69	500	60X28X36	60X28X36	2783	3166	350	310
600-600-600-600-2/0	2.35	2.67	2.79	500	66X32X42	66X32X42	3177	3591	350	340
600-600-600-600-400	2.61	2.89	3.01	500	66X32X42	66X32X42	3464	3886	350	340
700-700-700-700-2/0	2.58	2.86	3.01	500	66X32X42	---	3825	4043	400	375
750-750-750-750-3/0	2.60	2.86	3.01	500	66X32X42	---	3858	4300	400	385
750-750-750-750-750	3.04	3.30	3.50	500	66X32X42	---	4473	4998	400	385
900-900-900-900-250	2.84	3.12	3.29	500	68X42X48	68X42X48	4587	5087	450	425
900-900-900-900-900	3.32	3.60	3.77	500	78X40X53	78X40X53	5268	5844	450	425
UNIQUE FROM ALCAN CABLE FOUR CONDUCTOR WITH GROUND (FOR PARALLEL RUNS)*										
Conductor Size (AWG or kcmil)	Rating of OC Device ⁵ (75° C) (AMP)			Conductor Size (AWG or kcmil)	Rated Ampacity (75° C) (AMP)					
250-250-250-250-1	400 (2)*			600-600-600-600-400	1000 (3)*, 1600 (5)*, 2000 (6)*					
500-500-500-500-2/0	600 (2)*			750-750-750-750-3/0	800 (2)*					
500-500-500-500-250	600 (2)*, 1200 (4)*			750-750-750-750-750	2500 (7)*, 3000 (8)*, 4000 (11)*					

NOTES:
¹ Lengths cut to order. Other sizes and configurations available upon request.
^{2,3} Diameter of conductor assembly without armor, diameter of cable with armor, and diameter of cable with PVC jacket over armor.
⁴ The rating of the overcurrent device shown above is in accordance with the NEC® for single runs. See 240.4 and 240.6. Also, see 110.14 and Table 310.15(B)(16) of the NEC.
⁵ Number of cables run in parallel.



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