



grounded in service
wired to innovate.™

STABILOY® MC CABLE

Alcan interlocked aluminum armor Type MC Cable is designed for above-ground application. The cable is also available with a jacket over the armor. When jacketed, the cable is listed for direct burial or use in concrete, for use in cable tray and for sunlight resistance. STABILOY® MC meets the requirements of UL-1569, Metal-Clad Cables. Insulated conductors within the cable meet the requirements of UL-44, Type XHHW-2. STABILOY® MC Cable is approved for use in accordance with applicable portions of the National Electrical Code. STABILOY® alloy conductor is recognized by ASTM in Standards B800, B801, B836 and B901.



PRODUCT FEATURES

The distinctive features unique to STABILOY® MC Cable provide a significant savings in installation cost and time. It is quicker and easier to install than conventional pipe and wire and is the product of choice for many electrical contractors.

STABILOY® MC Cable is designed to your advantage ...

- **All-in-one assembly offers one-step installation**, which dramatically reduces installation time.
- **Strong, lightweight, aluminum alloy armor** weighs less than steel armor and is easier to strip back.
- **Bends around corners**, which alleviates the need for an elbow.
- **Not limited to 360° bend rule**, which eliminates the need for pull boxes.
- **Environmentally friendly** with a lead-free and cadmium-free PVC jacket. Suitable for wet locations, direct burial, encased in concrete and other uses per NEC.
- **Overall flexibility** greater than pipe and wire system.
- **Factory tested engineered product** that protects conductors from damage during installation.
- **Exceeds requirements of the NEC**, as well as the UL Standards.

Ratings and Classifications	Requirements
Permitted Uses	Approved for use in accordance with Article 330 and other applicable portions of National Electrical Code (NEC)®.
Construction and Performance	Underwriters Laboratories Standard 1569, Metal-Clad Cables. Conductors are 600V Type XHHW-2 rated 90°C wet & dry locations. Bending radius is equivalent to seven times the diameter of the metallic sheath.
Listed for Limited Smoke or "ST-1" Rating	Underwriters Laboratories Standard 1685, Vertical Tray Flame Exposure Test (FT4/IEEE 1202 procedure).
UL Fire Stop Systems: C-AJ-3041, W-L-3041	Underwriters Laboratories Standard 1479, Through-Penetration Firestop Systems.
Hazardous Locations: Class I Division II, Class II Division II Class III Division I & II	In accordance with the applicable requirements for the Hazardous Locations in the NEC.

STABILOY® MC CABLE

Three Conductor with Ground										
CONDUCTOR SIZE ¹ (AWG/kcmil)	DIAMETER (Inches)			LENGTH (Feet)	REEL SIZE		WEIGHT (LBS/MFT)		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.		
6-6-6-6	0.63	0.83	0.93	1000	36.22.18	36.22.18	237	320	50	50
4-4-4-6	0.72	0.93	1.03	1000	36.22.18	36.22.18	308	399	70	65
2-2-2-6	0.81	1.03	1.13	1000	38.22.20	42.28.20	402	503	90	90
1-1-1-4	0.94	1.16	1.26	1000	42.28.20	42.28.20	504	617	100	100
1/0-1/0-1/0-4	1.00	1.23	1.33	1000	42.28.20	42.28.20	584	703	125	120
2/0-2/0-2/0-4	1.05	1.28	1.38	1000	42.28.20	48.24.24	674	798	150	135
3/0-3/0-3/0-4	1.13	1.36	1.46	1000	48.28.24	48.28.24	796	928	175	155
4/0-4/0-4/0-2	1.27	1.51	1.63	1000	60.28.28	60.28.28	1005	1181	200	180
250-250-250-2	1.38	1.63	1.75	500	48.28.30	48.28.30	1166	1355	225	205
300-300-300-2	1.47	1.72	1.84	500	48.28.30	48.28.30	1337	1536	250	230
350-350-350-2	1.54	1.80	1.92	500	48.28.30	48.28.36	1505	1713	250	250
400-400-400-1	1.64	1.91	2.03	500	48.28.30	60.28.30	1692	1913	300	270
500-500-500-1	1.77	2.04	2.16	500	60.28.36	60.28.36	2023	2258	350	310
600-600-600-1	1.96	2.24	2.36	500	60.28.36	60.28.36	2416	2674	350	340
700-700-700-1/0	2.10	2.39	2.53	500	66.32.42	66.32.42	2765	3115	400	375
750-750-750-1/0	2.15	2.44	2.59	500	55.32.42	66.32.42	2926	3278	400	385
Four Conductor with Ground										
6-6-6-6-6	0.70	0.92	1.02	1000	36.22.18	38.22.20	286	377	50	50
4-4-4-4-6	0.77	1.04	1.14	1000	38.22.20	42.28.20	373	474	70	65
2-2-2-2-6	0.93	1.17	1.27	1000	42.28.20	42.28.20	503	617	90	90
1-1-1-1-4	1.07	1.31	1.41	1000	42.28.20	42.28.20	630	757	100	100
1/0-1/0-1/0-1/0-4	1.15	1.40	1.50	1000	42.28.20	48.28.24	736	871	125	120
2/0-2/0-2/0-2/0-4	1.26	1.47	1.64	1000	48.28.20	48.28.24	887	1071	150	135
3/0-3/0-3/0-3/0-4	1.32	1.58	1.70	1000	48.28.24	60.28.28	1051	1235	175	155
4/0-4/0-4/0-4/0-2	1.46	1.73	1.85	1000	60.28.28	60.28.28	1280	1480	200	180
250-250-250-250-1	1.62	1.89	2.01	500	48.28.30	60.28.36	1510	1730	225	205
300-300-300-300-1	1.73	2.01	2.13	500	60.28.36	60.28.36	1738	1970	250	230
350-350-350-350-1/0	1.85	2.13	2.25	500	60.28.36	60.28.36	1985	2231	250	250
400-400-400-400-1/0	1.94	2.23	2.35	500	60.28.36	60.28.36	2207	2468	300	270
500-500-500-500-2/0	2.13	2.43	2.58	500	60.28.36	60.28.36	2677	3028	350	310
500-500-500-500-250	2.21	2.51	2.66	500	60.28.36	60.28.36	2798	3166	350	310
600-600-600-600-2/0	2.37	2.68	2.83	500	66.32.42	66.32.42	3199	3591	350	340
600-600-600-600-400	2.52	2.84	2.99	500	66.32.42	66.32.42	3473	3886	350	340
700-700-700-700-2/0	2.50	2.83	2.98	500	66.32.42	-	3630	4043	400	375
750-750-750-750-3/0	2.60	2.93	3.08	500	66.32.42	-	3880	4300	400	385
750-750-750-750-750	2.86	3.20	3.37	500	66.32.42	-	4469	4998	400	385

UNIQUE FROM ALCAN CABLE

Four Conductor with Ground (For Parallel Runs)			
CONDUCTOR SIZE ¹ (AWG/kcmil)	RATING OF OC DEVICE ⁵ (75° C) (AMP)	CONDUCTOR SIZE ¹ (AWG/kcmil)	RATING OF OC DEVICE ⁵ (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)

¹ Sizes shown in bold are in-stock items. Lengths cut to order. Other sizes and configurations available upon request.

^{2,3,4} Diameter of conductor assembly without armor, Diameter of cable with armor, and Diameter of cable with PVC jacket over armor.

⁵ The rating of the overcurrent device shown above is in accordance with the NEC. See 240.4 and 240.6. Also, see 110.14 and Table 310.16 of the NEC.

ALCAN CABLE

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