

STABILOY® Brand Type MC Cable with PVC Jacket 2-Conductor for Solar Applications

Solar power plays an important role in meeting long-term energy needs. At General Cable, we know that the success of any solar project is only as good as the conductor used to transmit the solar power to the electrical grid. We offer aluminum conductors that are specifically designed to meet the growing demand for renewable energy applications.

General Cable's Type MC Cable with PVC Jacket (2-conductor) is designed for both rooftop and direct burial solar applications. This cable includes a PVC jacket and is listed for direct burial, for use in cable trays, and for wet locations. It is sunlight resistant and available in 600 V and 2 kV.

Product Features:

- Available in 600 V and 2000 V
- Environmentally friendly with a RoHS* compliant, lead-free and cadmium-free PVC jacket
- Suitable for wet locations, direct burial, encased in concrete and other uses per the NEC®
- More flexible than conduit
- Factory tested engineered product that protects conductors from damage during installation
- Meets or exceeds requirements of the NEC, as well as applicable UL® Standards

Applications:

STABILOY® Brand MC Cable is a much better alternative to the traditional pipe and wire method because it dramatically reduces installation time. With the added durability of the PVC jacket STABILOY Brand MC Cable is approved for use in many applications including direct burial, use in cable tray and outdoor exposure. It is also approved for use in certain hazardous locations as permitted in Articles 501, 502, 503 and 504. The PVC jacket is free of harmful heavy metals in compliance with RoHS, Directive 2002/95/EC.

- Run from the combiner box to the inverter
- Suitable for rooftop solar applications
- Outdoors
- In wet locations (Type XHHW-2 , or RHW-2 conductors)
- Direct buried
- Encased in concrete
- Hazardous locations
- Strong, but lightweight alloy armor resists damage

*Denotes compliance to RoHS, Directive 2002/95/EC.



STABILOY® Brand Jacketed MC Cable 2-Conductor + Bonding Conductor (600 V and 2000 V)



Conductor Size (AWG/kcmil)	Bonding Conductor (AWG/kcmil)	600 VOLT						2000 VOLT					
		Cable Diameter (inches)			Core Aluminum Mass (lbs/kft)	Cable Mass (lbs/kft)	Nominal DC Resistance (Ω/kft @ 20°C)	Cable Diameter (inches)			Core Aluminum Mass (lbs/kft)	Cable Mass (lbs/kft)	Nominal DC Resistance (Ω/kft @ 20°C)
		Under Armor	Over Armor	Over PVC Jacket				Under Armor	Over Armor	Over PVC Jacket			
2	6	0.76	0.95	1.05	149.61	383.9	0.261	0.86	1.05	1.15	149.61	432.5	0.261
1	4	0.86	1.05	1.15	196.82	472.9	0.207	1.00	1.19	1.29	196.82	540.6	0.207
1/0	4	0.93	1.12	1.22	238.06	537.5	0.164	1.07	1.27	1.37	238.06	626.8	0.164
2/0	4	1.01	1.21	1.31	289.83	626.4	0.130	1.15	1.35	1.45	289.83	709.0	0.130
3/0	4	1.11	1.30	1.40	355.15	723.1	0.103	1.25	1.44	1.54	355.15	810.3	0.103
4/0	2	1.21	1.41	1.51	460.77	864.8	0.082	1.35	1.61	1.73	460.77	1014.4	0.082
250	2	1.34	1.60	1.72	533.05	1048.0	0.069	1.50	1.76	1.88	533.05	1165.3	0.069
300	2	1.44	1.70	1.82	627.17	1180.5	0.058	1.60	1.86	1.98	627.17	1303.4	0.058
350	2	1.53	1.79	1.91	721.29	1310.3	0.050	1.69	1.95	2.07	721.29	1438.4	0.050
400	1	1.62	1.88	2.00	831.72	1431.2	0.043	1.78	2.04	2.16	831.72	1564.2	0.043
500	1	1.77	2.03	2.15	1019.96	1674.6	0.035	1.93	2.19	2.31	1019.96	1816.2	0.035
750	1/0	2.18	2.43	2.58	1511.18	2417.0	0.023	2.34	2.59	2.74	1511.18	2585.7	0.023



4 Tesseneer Drive, Highland Heights, Kentucky 41076-9753

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Phone: 1.855.720.2792

1.859.572.8000

Fax: 1.800.547.8249

www.stabiloy.com

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