



Voltage

600V or less

Construction

Sino-cables MC Type is constructed with Type XHHW-2 conductors rated 90 °C wet or dry, and a bare equipment grounding conductor. The Conductors are AA-8000 series Aluminum Alloy compact stranded. A binder tape is wrapped over the conductors with interlocked aluminum tape applied over the assembly. Individual conductors are color coded per ICEA S-58-679, Method 3, Table 2 (Single color compounds with surface printing). A PVC outer sheath is needed for direct burial.

[Copper conductor is also available.](#)

Standard

UL 44, UL 1569 for type MC; ICEA S – 95-658; NEMA WC70; Federal Spec A-A59544 (formerly J-C– 30B); IEEE 1202 70,000 BTU vertical flame test; CSA Spec. C22.2, No. 51 - Armoured Cables.

Features

1. Up to 50% fewer installation steps; Pre-assembled and pre-tested; Lighter weight; Flexible, unlimited bends; Lower material and labor costs (Reduces installation costs up to 50% over pipe and wire); Ideal for vertical applications.
2. Cable reverse wound on reel for ease of pulling and installation When pulling from coils, pull from inside to ensure of installation.
3. Anti-short bushings are not required for use with MC cable per the NEC and UL.

Applications

1. Sino-cables MC Type is suitable for use in branch, feeder and service power distribution under high ambient temperature in commercial, industrial, institutional, casinos and multi-residential buildings; for power, lighting, control and signal circuits; in concealed or exposed installations; Fished or embedded in plaster; in environmental air-handling spaces per NEC 300.22; in places of assembly per NEC 518.4 and theaters per NEC 520.5; in aerial applications when attached to a messenger; for installation in cable tray and approved raceways; under raised floors for IT equipment per NEC 645.5(D) and 645.5(D)(2); Class I Div 2, Class II Div 2, Class III Div 1 hazardous locations.
2. used in wet or dry locations at temperatures not to exceed 90°C.
3. Available with PVC jacket for direct burial and encasement in concrete.

Package

steel & wooden reel, wooden reel, steel reel, in coils on wooden tray, or other requirements by customers.

WEIGHTS AND MEASUREMENTS					
Conductor Size (AWG/kcmil)	Sub Assembly (inches)	Overall Nominal Diameter (inches)	Approx.Net Weight Per 1000' (lbs.)	Allowable Ampacity + (wet or dry)	
				75 °C	90 °C
THREE CONDUCTOR With GROUND					
6-6-6-6	0.57	0.79	238	51	61
4-4-4-6	0.73	0.97	303	66	76
2-2-2-4	0.86	1.08	417	91	101
1-1-1-4	0.89	1.12	496	101	116
1/0-1/0-1/0-4	0.98	1.20	579	121	136
2/0-2/0-2/0-4	1.07	1.28	677	136	151
3/0-3/0-3/0-4	1.17	1.39	832	156	176
4/0-4/0-4/0-2	1.26	1.58	1088	181	206
250-250-250-2	1.42	1.73	1275	205	230
250-250-250-3/0	1.59	1.91	1401	206	231
350-350-350-1	1.63	1.95	1654	251	290
400-400-400-1	1.73	2.05	1831	271	306
500-500-500-3/0	1.89	2.21	2258	311	351
500-500-500-2/0	1.89	2.21	2225	311	351
500-500-500-1	1.89	2.21	2178	311	351
600-600-600-1/0	2.11	2.43	2609	341	386
750-750-750-3/0	2.31	2.63	3178	386	436
750-750-750-1/0	2.31	2.63	3119	386	436
FOUR CONDUCTOR With Ground					
2-2-2-2-4	0.88	1.10	508	73	81
1-1-1-1-4	0.99	1.21	619	81	93
1/0-1/0-1/0-1/0-4	1.09	1.31	728	97	109
2/0-2/0-2/0-2/0-4	1.19	1.41	859	109	121
3/0-3/0-3/0-3/0-4	1.31	1.62	1139	125	141
4/0-4/0-4/0-4/0-2	1.43	1.75	1375	145	165
250-250-250-250-3/0	1.78	2.10	1747	165	185
250-250-250-250-1	1.59	1.91	1635	165	185
350-350-350-350-1/0	1.83	2.14	2130	201	225
500-500-500-500-3/0	2.12	2.43	2878	249	281
600-600-600-600-3/0	2.35	2.67	3416	273	309
750-750-750-750-900	2.89	3.21	4838	309	349
750-750-750-750-750	2.90	3.22	4597	309	349
750-750-750-750-3/0	2.58	2.90	4090	309	349

*All values are nominal and subject to correction.