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Aluminum Conductor W/GRND Interlocked Armor MC Cable

Application:

Aluminum Conductor - Aluminum MC Cable 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; 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.

Conductors:

Aluminum Conductor - Aluminum MC Cable has a compact strand 8000 series aluminum alloy conductors.

Insulation:

Aluminum Conductor - Aluminum MC Cable has color coded cross-linked polyethylene XLP insulation. The cable ground is either bare or has green insulation. A binder tape is wrapped over the conductor assembly.

Aarmor:

Aluminum Conductor - Aluminum MC Cable has an overall aluminum interlocked armor.

Standards:

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



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Specification:

SKU Number	Size AWG	Conductors	Ground Size	O.D. Over Armor (inches)	Weight lbs./1000 ft.	Ampacity
THREE CONDUCTORS						
NNC1614X	6	3	6	0.830	237	50
NNC1616X	4	3	6	0.930	330	65
NNC1618X	2	3	6	1.030	451	90
NNC1620X	1	3	4	1.160	563	100
NNC1622X	1/0	3	4	1.230	645	120
NNC1624X	2/0	3	4	1.280	745	135
NNC1626X	3/0	3	4	1.360	868	155
NNC1628X	4/0	3	2	1.510	1056	180
NNC1630X	250	3	2	1.630	1227	205
NNC1632X	300	3	2	1.720	1401	230
NNC1634X	350	3	2	1.800	1576	250
NNC1636X	400	3	1	1.910	1692	270
NNC1638X	500	3	1	2.040	2105	310
NNC1640X	600	3	1	2.240	2535	340
NNC1642X	750	3	1/0	2.440	3136	385
FOUR CONDUCTORS						
NNC1615X	6	4	6	0.920	286	50
NNC1617X	4	4	6	1.040	373	65
NNC1619X	2	4	6	1.170	575	90
NNC1621X	1	4	4	1.310	720	100
NNC1623X	1/0	4	4	1.400	831	120
NNC1625X	2/0	4	4	1.470	965	135
NNC1627X	3/0	4	4	1.580	1131	155
NNC1629X	4/0	4	2	1.730	1371	180
NNC1631X	250	4	1	1.890	1645	205
NNC1633X	300	4	1	2.010	1878	230
NNC1635X	350	4	1/0	2.130	2132	250
NNC1637X	400	4	1/0	2.230	2207	270
NNC1639X	500	4	2/0	2.430	2833	310
NNC1641X	600	4	2/0	2.680	3435	340
NNC1643X	750	4	3/0	2.930	4117	385

*All values are nominal and subject to correction

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