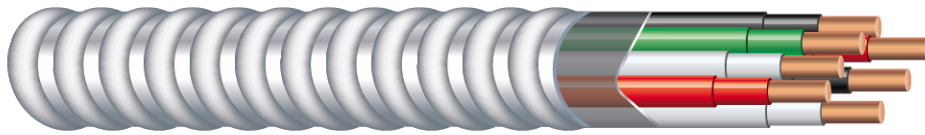


Copper THHN/THWN-2 Metal Clad(MC) Cable



Application

MC Cable is suitable for use as follows: branch, feeder and service power distribution in commercial, industrial, multi-residential buildings, theaters and places of assembly. It is installed in cable tray and approved raceways. It is suitable for use in wet or dry locations. If it should be directly buried in the earth, MC cable with PVC sheath is an optimal choice. Its Maximum voltage rating for all applications is 600 Volts.

Construction

The soft annealed solid or stranded copper conductor is insulated with moisture and flame resistant PVC and covered with a layer of nylon sheath. The insulated conductors are cabled and wrapped with Mylar tape and then an aluminium alloy interlocked armour is applied. It can be manufactured with PVC sheath over the aluminum metal clad if direct burial is needed.

Technical Data

Operating Temperature Standard Max permissible continuous operating temperature of conductor shall not exceed 90°C. UL 83 and UL 1569 or other standards required by customers.

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Conductor Count*	Ground	Insulation Thickness	Nylon Thickness	Armor** Thickness	Sheath Thickness	Approximate Diameter over Armor	Approximate Diameter over Sheath
AWG	AWG	mm	mm	mm	mm	mm	mm
14/2 Solid	14	0.38	0.10	0.50	1.27	10.9	13.5
14/3 Solid	14	0.38	0.10	0.50	1.27	11.5	14.2
14/4 Solid	14	0.38	0.10	0.50	1.27	12.3	15.0
12/2 Solid	12	0.38	0.10	0.50	1.27	11.8	14.4
12/3 Solid	12	0.38	0.10	0.50	1.27	12.6	15.2
12/4 Solid	12	0.38	0.10	0.50	1.27	13.4	16.1
10/2 Solid	10	0.38	0.10	0.50	1.27	13.5	16.2
10/3 Solid	10	0.38	0.10	0.50	1.27	14.5	17.2
10/4 Solid	10	0.38	0.10	0.50	1.27	15.6	18.3

* The individual conductor is as same as type THHN/THWN-2.
 Color Code: 2 Conductors White - Black
 3 Conductors White - Black - Red
 4 Conductors White - Black - Red - Blue
 Ground Green

** Aluminium alloy interlocked armor.