An acronym for Circular Mil Area, a measurement. A unit of area equal to the area of a circle whose diameter is 1 mil (0.001 inch). Used chiefly in specifying cross-sectional areas of conductors. To obtain the number of circular mils in a round solid wire of a given diameter, express the diameter in mils then square it. The CMA formula for stranded conductor is to square the mil diameter of one strand then multiply by the number of strands.

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Last update: **2011/06/08 07:38**