

WAC 296-17A-5108 Classification 5108.

5108-55 Cable or wire rope: Drawing and manufacturing

Applies to establishments engaged in wire drawing including wire rope or cable manufacturing from iron or steel. Establishments may be engaged in the further manufacturing of products made from wire such as, but not limited to, baling wire, barbed wire, spikes, galvanized wire and nails. The process involves the forming of metal on a swage block into a shape that will eventually be drawn through a series of dies to reduce it in size. Some wire may be heat-treated to allow for continual drawing. Secondary and final drawing machines with progressively smaller dies are used to reduce the wire to the desired fineness. Incidental galvanizing is considered normal to iron or steel wire when performed as a subsequent treatment of drawn wire. The finished wire is automatically wound onto reels for shipment or may be further processed into wire rope or cables. Stranding and braiding is done on automatic machines and the wire or cable stored on shipping reels.

5108-56 Cable or wire rope: Manufacturing with no drawing

Applies to establishments engaged exclusively in stranding iron or steel wire rope or cable. Reeled iron or steel coils of drawn wire and core material are received from others. The wires are mechanically wound together to form a multiwire strand which are then wound helically around a metal or fiber core to form wire rope. The finished rope or cable is pulled through a compression die, measured by power driven drums and stored on shipping reels.

5108-57 Cable or wire insulation or covering: Manufacturing

Applies to establishments engaged in manufacturing insulated or covered electrical cable. These establishments receive the drawn wire and the insulation material from outside sources. Commonly used insulation materials are enamel or lacquer, rubber, plastic, paper, cambric and cotton thread. Enamel or nylon insulation is applied by running the wire through heated tanks of either mix. The wire is then dried in ovens and the cycle is repeated several times. This classification applies also to the placing of various protective coverings on insulated wire. These protective coverings are generally cotton braid, metallic armor or lead sheathing. This classification includes incidental wire stranding when performed by employees of employers subject to this classification.

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