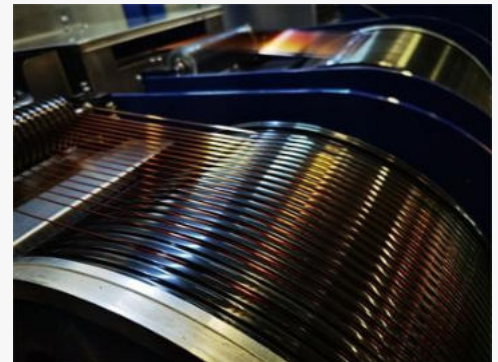


## Class 120 Polyvinyl acetal enamelled round copper wire

### Specifications

Thermal Class	120 (Class E)
Dimension	Grade 1: 0.04 mm – 2.50 mm; Grade 2: 0.04 mm – 5.00 mm; Grade 3: 0.08 mm – 5.00 mm.
Standards	IEC、GB/T、JIS、NEMA
Insulation thickness	G1,G2,G3



### Temperature index 120

Class 120 is a thermal class that requires a minimum temperature index of 120 and a heat shock temperature of at least 155°C.

The temperature in degrees Celsius corresponding to the temperature index is not necessarily that at which it is recommended that the wire be operated and this will depend on many factors, including the type of equipment involved.

## Specifications

Reference standard IEC 60317 the requirements of enamelled round copper winding wires class 120 with a sole coating based on polyvinyl acetal or polyvinyl formal resin. It can be modified provided it retains the chemical identity of the original resin and meets all specified wire requirements.

1. Cut-through test : No failure shall occur within 2 min at 170°C. Resistance to abrasion (nominal conductor diameters from 0,250 mm up to and including 2,500 mm).
2. Flexibility and adherence: Clause 8 of IEC 60317-0-1:2013 applies, where the constant K used for the calculation of the number of revolutions for the peel test shall be 175 mm.
3. Heat shock: Clause 9 of IEC 60317-0-1:2013 applies. The minimum heat shock temperature shall be 155°C.
4. Nominal conductor diameters up to and including 1,600 mm. The coating shall show no crack.
5. Resistance to abrasion (nominal conductor diameters from 0,250 mm up to and including 2,500 mm).





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