

Insulated covered conductors

AlumAr – AlumEx

RamAr - RamEx

Round and flat copper and aluminum wires covered by aramid paper tapes for low voltage applications

Item description

AlumAr and RamAr, AlumAr and AlumEx are the commercial brand for insulated round and flat wires, would it bare or enameled, covered by aramid paper tapes for low voltage electric machine construction. The former solution uses a common aramid paper (according to IEC 60317-52 or IEC60317-53), the latter is a specific brand for Nomex® T410 (or other types) by Dupont. Insulating process can be done using overlapping till 66%, till three tapes in one passage can be used to meet thickness requirement from the customer specification. Base conductor can be bare annealed or enameled, in that case a –H suffix will be add to indicate the special solution.

Available sections

Round wire diameters from ϕ 1,50 mm to ϕ 6 mm
Flat wires with range from mm 1 x 4 to mm 5 x 15

Standard references

IEC60317-52 for round wires
IEC60317-53 for rectangular wires
IEC60851 – test methods.

Application fields

Low voltage transformer construction.

