

ABSTRACT**FLAME-RETARDANT RESIN COMPOSITION, AND INSULATED ELECTRIC WIRE, FLAT CABLE, AND MOLDED ARTICLE, WHICH ARE MADE USING SAME**

Provided is a flame-retardant resin composition that can achieve both mechanical properties and flame retardancy and satisfy stringent heat resistance requirement such as heat resistance with a conductor attached, and an insulated wire, a flat cable, and a molded article made using the flame-retardant resin composition. The flame-retardant resin composition contains a thermoplastic resin, a polyfunctional monomer, and an organic phosphorus-based flame retardant. The thermoplastic resin contains 5% by mass or more of a resin having a carbon-carbon unsaturated bond or a resin having a carbonyl group relative to the entire thermoplastic resin. The organic phosphorus-based flame retardant is at least one selected from the group consisting of a metal phosphinate, a melamine phosphate compound, an ammonium phosphate compound, and a polyphosphazene compound obtained by ring-opening polymerization of cyclophosphazene. The content of the organic phosphorus-based flame retardant is 5 to 100 parts by mass relative to 100 parts by mass of the thermoplastic resin and the content of the polyfunctional monomer is 1 to 20 parts by mass relative to 100 parts by mass of the thermoplastic resin.

No Figure