WHAT IS CLAIMED IS:

1. A flame-retardant resin composition comprising:

a resin;

carbon black; and

a metal phosphinate,

wherein the resin includes at least one selected from the group consisting of an ethylene-vinyl acetate copolymer having a melting point of 80°C or more, an ethylene-ethyl acrylate copolymer having a melting point of 80°C or more, and an ethylene-methyl acrylate copolymer having a melting point of 80°C or more, and

a content of the carbon black is 25 parts by mass or more and 60 parts by mass or less relative to 100 parts by mass of the resin.

2. The flame-retardant resin composition according to Claim 1, wherein a content of the metal phosphinate is 10 parts by mass or more and 45 parts by mass or less relative to 100 parts by mass of the resin.

3. The flame-retardant resin composition according to Claim 1 or 2,

wherein the resin further includes a polyethylene resin, and

a content of the polyethylene resin is 45 parts by mass or less relative to 100 parts by mass of the resin.

4. The flame-retardant resin composition according to any one of Claims 1 to 3, wherein the carbon black is at least one selected from the group consisting of furnace black, and acetylene black.

5. A flame-retardant cable comprising a semiconducting layer including the flame-retardant resin composition according to any one of Claims 1 to 4.