CLAIMS

1. A flame-retardant resin composition comprising:

a resin;

a metal phosphinate; and

carbon black,

wherein the resin includes an ethylene-ethyl acrylate copolymer or an ethylene-vinyl acetate copolymer, and a polyethylene resin,

the polyethylene resin includes a low-density polyethylene resin having a density of 0.9 g/mL or more and less than 0.93 g/mL and a medium- or high-density polyethylene resin having a density of 0.93 g/mL or more,

a content of the metal phosphinate is 10% by mass or more and 25% by mass or less relative to a total amount of the resin composition, and

a content of the carbon black is 1.5% by mass or more and 20% by mass or less relative to the total amount of the resin composition.

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

wherein the resin includes 10 parts by mass or more and 45 parts by mass or less of the ethylene-ethyl acrylate copolymer or the ethylene-vinyl acetate copolymer and 55 parts by mass or more and 90 parts by mass or less of the polyethylene resin relative to 100 parts by mass of the resin in total, and

the polyethylene resin includes 15 parts by mass or more and 80 parts by mass or less of the low-density polyethylene resin and 10 parts by mass or more and 40 parts by mass or less of the medium- or high-density polyethylene resin relative to 100 parts by mass of the resin in total.

3. The flame-retardant resin composition according to Claim 1 or 2, wherein the medium- or high-density polyethylene resin has a density of 0.942 g/mL or more.

4. The flame-retardant resin composition according to any one of Claims 1 to 3, wherein the polyethylene resin includes 1 part by mass or more and 15 parts by mass or less of a maleic anhydride-modified polyethylene resin relative to 100 parts by mass of the resin in total.

5. The flame-retardant resin composition according to any one of Claims 1 to 4,

wherein the carbon black is furnace black or acetylene black, and

a content of the carbon black is 1.5% by mass or more and 8% by mass or less relative to the total amount of the resin composition.

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

7. A flame-retardant cable comprising an insulating layer formed of the flame-retardant resin composition according to Claim 5.