CLAIMS:

1. A cable, comprising:

a core assembly formed by twisting a plurality of cores each comprising a conductor and an insulation layer that encloses the conductor;

a sheath that encloses the core assembly,

wherein the insulation layer comprises a fluorine-based resin, and

wherein a lubricant layer is formed between the core assembly and the sheath; and

a tape bound around the core assembly,

wherein one surface of the tape is in direct contact with the sheath, and

wherein the lubricant layer is formed on another surface of the tape.

2. The cable according to claim **1**, wherein the lubricant layer comprises a talc that is applied to an outer surface of the core assembly.

3. The cable according to claim **1** or **2**, wherein the sheath has a higher elasticity than the insulation layer.