

The difference between PVC and silicone rubber cables? PVC wire generally has a temperature resistance range of -15°C to 80°C , while silicone wire can reach a temperature range of -60°C to 200°C . The service life of PVC wire is shorter, generally around 5 years, and its flexibility is poor. The anti-aging performance is weak, and it is easy to crack under the sun. It is suitable for use in indoor lamps and household appliances. The PVC wire itself is relatively hard. The surface is smooth and the brightness is high. The PVC cable of the same specification is much cheaper than the silicone cable, and the compressive strength is also lower than that of the silicone cable. The bending recovery ability of the PVC cable is poor. Once bent and folded, it is difficult to restore the original appearance, but the PVC cable is better than the silicone cable in industrial use.

[Silicone rubber cables](#) are more extensive and suitable for use in less demanding environments. Silicone rubber cable products have the characteristics of heat radiation, cold resistance, acid and alkali resistance and corrosive gas, water resistance, etc., the cable structure is soft, the radiation is convenient, the electrical performance is stable in high temperature (alpine) environment, the anti-aging performance is outstanding, the service life is long, and it is wide. It is used in metallurgy, electric power, petrochemical, electronics, automobile manufacturing and other industries. Silicone wire also has shortcomings, such as poor tear resistance of the sheath and high manufacturing cost. Silicone high-temperature wire is used in electric heating appliances, paint rooms, lighting equipment and household products, and lithium batteries.

