

As a special outdoor cable product, **rubber coated electrical cable|rubber coated flex wire** have a wide range of types and wide applications, and have excellent electrical insulation, chemical stability, and flexibility and physical properties that ordinary wires and cables cannot match, so they are widely used.

rubber coated electrical cable|rubber coated flex wire Use advantage

Most of the rubber cables are outside users or occasions with severe working conditions, such as ships, mines, underground, rolling stock, etc.; with the continuous improvement of the performance of rubber insulated wires and cables, it has the advantages of natural rubber, but also increases oil resistance and flame retardancy. Various excellent properties such as flexibility, cold resistance and heat resistance, so that the types of rubber insulated wires and cables are more abundant, and the application range is wider.

rubber coated electrical cable|rubber coated flex wire Common classification

1. ERP rubber cable, chlorinated polyethylene (CPE) rubber, withstand temperature of $-40^{\circ}\text{C}\sim 105^{\circ}\text{C}$, suitable for AC rated voltage 300V/500V and 450/750V and below power devices, household appliances, electric tools, For construction lighting and machine interiors that require soft or mobile locations, use electrical connection lines or wiring. Product characteristics: rubber is very soft, good elasticity, cold resistance, high temperature resistance, oil resistance, ultraviolet resistance, good flexibility, and high strength. This is not comparable to ordinary plastic threads.

2. [Silicone rubber cable](#)

The product has the characteristics of heat radiation, cold resistance, acid and alkali resistance and corrosive gas, waterproof, etc., the cable structure is soft, easy to lay, stable electrical performance in high temperature (alpine) environment, outstanding anti-aging performance, long service life, widely used in metallurgy , Electric power, petrochemical, electronics, automobile manufacturing and other industries. Withstand temperature $-40\sim 180$ degrees. [heat resistant cable](#) is one of the most commonly used rubber cables in high temperature environments.

Basic model and name of silicone rubber cable and ordinary rubber sheathed cable

Model and name of silicone cable

Product model	Product name
KGGR	Multi strand copper core silicone rubber insulated and sheathed control flexible cable
KGGR-X	Multi strand tinned copper core silicone rubber insulated and sheathed control flexible cable
KGGRP	Multi strand copper core silicone rubber insulated copper wire braided shielding silicone rubber sheathed control flexible cable

KGGRP-X	Multi strand tinned copper core silicone rubber insulated tinned copper wire braided total shielding silicone rubber sheathed control flexible cable
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Silicone Rubber Electric Cable

model	name	Main uses
JHXG	Lead wire of silicone rubber insulated motor	Class H motor lead wire
YGZ	Medium sized heat resistant flexible cable with silicone rubber insulation and sheath	For all kinds of mobile electrical equipment and tools
YGZB	Medium sized heat resistant flat flexible cable with silicone rubber insulation and sheath	For all kinds of mobile electrical equipment and tools
YGC	Heavy duty heat resistant flexible cable with silicone rubber insulation and sheath	Used for all kinds of mobile electrical equipment, can withstand large mechanical force
YGCB	Heavy duty heat resistant flat flexible cable with silicone rubber insulation and sheath	Used for all kinds of mobile electrical equipment, can withstand large mechanical force

3. Rubber sheathed cable, electric welding machine cable, waterproof rubber sheathed cable, etc.

Rubber-sheathed cable is a flexible and movable cable variety with multiple strands of thin copper wires as conductors, rubber insulation and rubber sheath. Generally speaking, it includes general rubber sheathed flexible cables, electric welding machine cables, submersible motor cables, radio equipment cables and photographic light source cables.

Rubber cable type classification

YQ/YQW general light-duty rubber sheathed cables are used in household electrical appliances and small electric equipment, requiring softness, lightness, and good bending performance;

In addition to industrial use, YZ/YZW medium-sized rubber-sheathed cables are widely used in agricultural electrification;

YC/YCW heavy-duty cables are used in occasions such as port machinery, searchlights, and large-scale water conservancy irrigation and drainage stations for household businesses. This type of product has good versatility, complete series specifications, good performance and stability.

JHS/JHSP waterproof rubber-sheathed cable is used to transmit electric energy on submersible motors with AC voltage of 500V and below. It has good electrical insulation performance under long-term water

immersion and large water pressure. The waterproof rubber-sheathed cable has good bending performance and can withstand frequent movement.

YH/YHF electric welding machine special cable, suitable for the connection of the secondary side of the electric welding machine and the special cable for connecting the welding tongs, the rated voltage AC does not exceed 200V and the pulsating DC peak value is 400V.