

**Heavy duty flexible cable|heavy duty rubber cable YC YCW** can withstand greater mechanical external forces, and the long-term allowable working temperature of the core should not exceed 70°C. The [rubber sheath cable](#) insulation and sheath are made of pure natural rubber, and the conductor is oxygen-free copper wire with good conductivity.

**Heavy duty flexible cable|heavy duty rubber cable YC YCW** Type, name and main purpose:

Type	Name	Main purpose
YQ YQW	Light rubber flexible cable	For light mobile electrical equipment and tools
YZ YZW	Medium rubber flexible cable	For a variety of mobile electrical equipment and tools
YC YCW	Heavy duty rubber sheathed flexible cable	Used in a variety of mobile electrical equipment, can withstand large mechanical external forces

[Rubber flexible cable](#) specifications are as follows

Type	Rated voltage V	Number of cores	Nominal cross section (mm)
YQ YQW	300/300	2,3	0.3 ~ 0.5
YZ YZW	300/500	2,3,4,5	0.75 ~ 6
YC YCW	450/750	1	1.5 ~ 400
		2	1.5 ~ 95
		3,4	1.5 ~ 150
		5	1.5 ~ 25

**heavy duty flexible cable|heavy duty rubber cable YC YCW** Use characteristics

1. The long-term allowable working temperature of the conductor is 90°C.

2. The minimum bending radius of the cable:

When used for fixed equipment,  $d \leq 12\text{mm}$ ,  $6Xd$

$d > 12\text{mm}$ ,  $8Xd$

When used in mobile equipment  $d \leq 12\text{mm}$ ,  $8Xd$

$d > 12\text{mm}$ ,  $10Xd$

d: is the diameter of the cable.

3. Finished cable voltage test:

- a. The power core is subjected to the power frequency voltage 3.7KV voltage test for 5 minutes
- b. The control core withstands the power frequency voltage 2KV voltage test for 5 minutes

4. Insulation resistance

- a. The volume resistance frequency of the power core is not less than  $10\Omega\cdot\text{cm}$  at  $20^{\circ}\text{C}$
- b. The volume resistivity of the control wire core is not less than  $10\Omega\cdot\text{cm}$  at  $20^{\circ}\text{C}$

5. The finished cable has mechanical shock resistance and anti-extrusion properties.

**heavy duty flexible cable|heavy duty rubber cable YC YCW** are widely used in various electrical equipment, such as portable power cords for household appliances, electrical machinery, electrical equipment and appliances, and can be used in indoor or outdoor environmental conditions.

According to the mechanical external force of the cable, the product The structure is divided into three types: light, medium and heavy, and there are appropriate connections in the cross section.

Generally, light rubber-sheathed cables are used in household appliances and small electric equipment, requiring softness, lightness, and good bending performance; medium-sized rubber-sheathed cables are not industrial Externally, [EPR rubber cable](#) is widely used in agricultural electrification. Heavy-duty cables are used in occasions such as port machinery, searchlights, large-scale water-powered irrigation and drainage stations for household businesses, etc. Such [flex cable](#) products have good versatility, complete series specifications, good performance and stability.