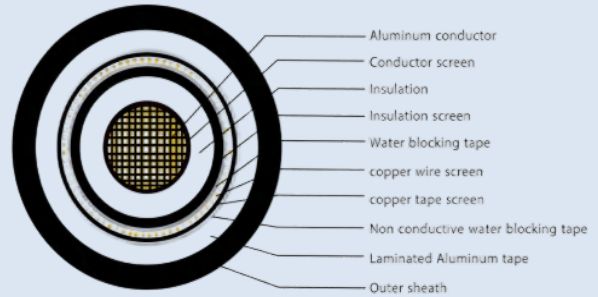
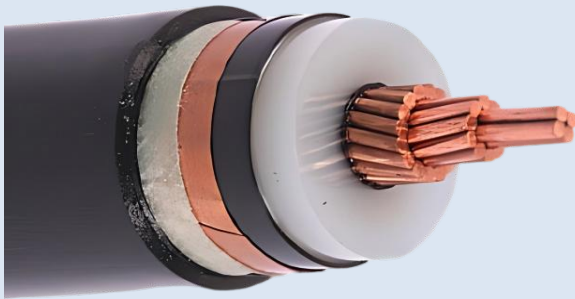




# 【 Power cable 】



## DESCRIPTION

0.6/1kV power cables are suitable for fixed installation in power transmission and distribution systems. They use compressed copper/aluminum conductors and PVC or cross-linked polyethylene insulation, and feature flame retardancy, heat resistance, pressure resistance, and high mechanical strength. Common models include VV, VLV, YJV, and YJV22, and can be directly buried, installed in conduits, cable trays, and tunnels. They operate at high temperatures, have stable electrical performance, are safe and reliable, and have a long service life. They are widely used in fixed power supply scenarios such as construction, municipal works, industrial and mining enterprises, and power grid distribution, and are core cables for urban and rural power grids and engineering power distribution.

## PARAMETER

Implementation Standards	GB/T 12706.1-2020
conductor type	Class 1/2 compacted copper/aluminum conductor
Rated voltage	0.6/1kV
Long-term operating temperature	PVC(VV)≤70°C ; XLPE(YJV)≤90°C
Short circuit temperature	VV≤160°C ; YJV≤250°C ( ≤5s )
Minimum laying temperature	PVC≥0°C ; XLPE≥-15°C(no preheating required)
Test voltage	3500V/5min
Insulation resistance (20)	≥100M ·km
Minimum bending radius	No armor ≥ 10D; Armor ≥ 12D
Laying method	Indoor, cable trays, conduits, direct burial, trenches, tunnels