WELDING CABLE

Application:
welding cable can be used for the transmission of high currents from the electric welding machine to the welding tool. It is suitable for flexible use under rough conditions, on assembly lines and conveyor systems, in machine tool and motor car manufacturing, shipbuilding, for manually and automatically operated line and spot welding machines.
The welding cable retains high flexibility even under the influence of ozone, light, oxygen, protective gases, oil, and petrol. Robust cable structure of these cables makes them resistant to low and high temperatures, fire, ozone and radiation, oils, acids, fats, and patrols. These cables are also ideal for outside installation in dry, moist and wet areas.
Easy to use inside visible or embedded piping. Direct burial installation or outdoors in wet environments as well as contact with hot parts is not allowed. It must not be subject to thermic radiation.
welding cable is used as a leading wire for welding machines and also applied to power or electrical household appliances and a variety of electrical devices and tools with rated voltage Uo / U 100/100V.

OUR ADVANTAGES

EASY SOLUTIONS

ADAPTABILITY IS ONE OF OUR BEST QUALITESIT PERMIT US TO COPE WITH YOUR REQUE STON A SHORT NOTICE AND EFFEC TIVELY.

NO PRICE FIGHTS

WE ESCAPED THE OLASSICAL REBATE UNTILYOU DROP " POLICY . WE ARE PRICE WISE SINCETHE BEGINNING

HIGH LEVEL EXPERIENCE

QUR TECHNLAL CAPABILITIES HAVE BEENTESTED FOR MORE THAN 30 YEARS ANDIN-DRECT CONNECTION WITH END USERS . SO TOSAY

ENDLESS INVESTIGATION

WE CONTINUOUSY MEASURE EVERYTHINGTEST . TEST AND TESTAGAIN . THIS HELPS NUNDERSTAND RISKS AND REWARDS . ANDBEPREPARED

NO FORTUNE TELLER

WE BASE OUR DECISIONS ON CLEAR BUSIESSPLANS , THINKING BEFORE MAKING OUR STEPSAND KEEPIN-GA'NOTTODO LISTFOR EVERY-OVE OF THEM

TEAM BUILDING

OUR TEAMIS MADE NOT ONLY BY OUR STAFFBUTIT INCLUDES ALSO ALL OUR CUSTOMERSWEACT LIKEA TEAM WEGROW LKEA TEAMWE WINLIKE A TEAM

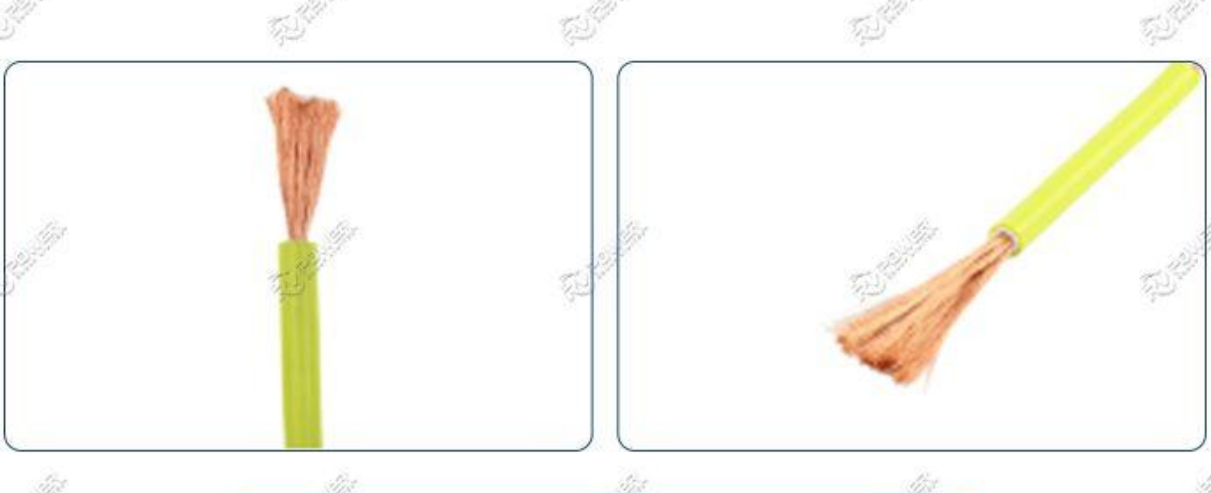
WELDING CABLE

Product Description:
Category: Welding Cable
Specifications : Optional
Working Temperature: -20°C to +85°C
Rated Voltage: 100-200V
Conductor: Bare Copper/Tinned Copper/Copper-Clad Aluminum/ Aluminium alloy
(Using aluminium alloy as conductor makes cables a much lower price but almost the same performence as copper cables)
Insulation: Rubber/PVC

Features
1) Optional Color : Orange/Green/Yellow/Blue/Black/Red
2) Low resistance & low voltage;
3) Long term work temperature is -20°C to +85°C
4) Great bending property allows frequent mobile and twisting;
5) The rubber /PVC as sheath material is dedicated for welding cable with excellent tear resistance and abrasion resistance;

Packing Dateials:
1. PE Bag
2. Double Blister
3. In Bulk
4. Plastic/Iron Reel

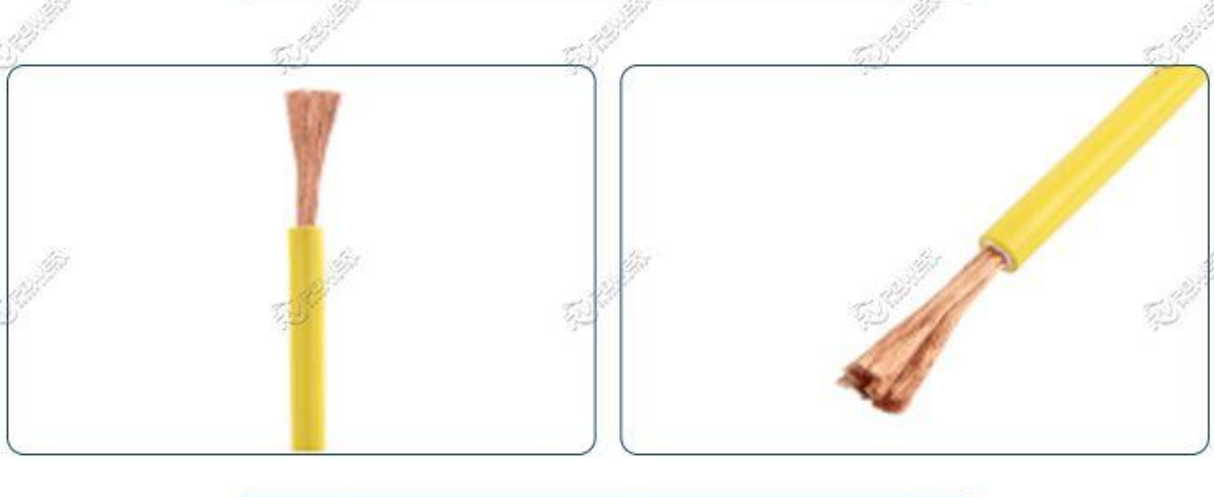
PRODUCT MIX



GREEN SHEATH PVC WELDING CABLE

ORANGE SHEATH PVC WELDING CABLE

BLUE SHEATH PVC WELDING CABLE



YELLOW SHEATH PVC WELDING CABLE

RED SHEATH PVC WELDING CABLE

BLACK SHEATH PVC WELDING CABLE

BLACK SHEATH RUBBER WELDING CABLE

MM2 WELDING CABLE

Conductor Size	Resistance	Thickness of Sheath	Min.OD	Max.OD
(mm2)	(ohm/km)	(mm)	(mm)	(mm)
10	1.91	2	7.8	10
16	1.21	2	9	11.5
25	0.78	2	10	13
35	5540	2	11.5	14.5
50	0.386	2.2	13	17
70	0.272	2.4	15	19
95	0.206	2.6	17.5	21.5
120	0.161	2.8	19.5	24
150	0.129	3	21.5	26
185	0.106	3.2	23	29
240	0.0801	3.4	27	32
300	0.0641	3.6	30	35
400	0.0486	3.8	33	39

AWG WELDING CABLE

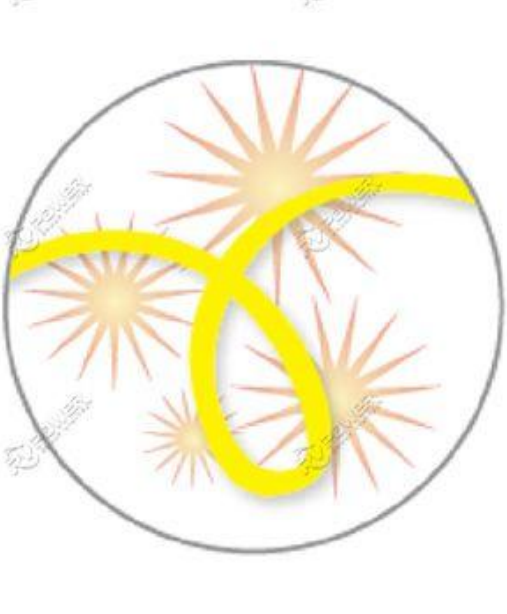
Conductor Size	Resistance	Thickness of Sheath	Min.OD	Max.OD
AWG	(ohm/km)	(mm)	(mm)	(mm)
6	1.380	1.52	8.00	10
4	0.865	1.52	9.09	11.09
2	0.549	1.52	10.72	12.72
1	0.436	2.03	12.50	14.5
1/0	0.345	2.03	13.89	15.89
2/0	0.276	2.03	15.01	17.01
3/0	0.219	2.03	16.69	18.69
4/0	0.173	2.03	17.91	19.91
250	0.147	2.41	20.50	22.5
350	0.106	2.41	22.71	24.71
500	0.074	2.41	28.50	30.5

WHICH CABLE JACKET IS BEST FOR YOUR APPLICATION?

There are many different types of cable jackets and each jacket works well in a specific application. The three main sensor cable jackets are PVC (Polyvinyl Chloride), PUR (polyurethane) and TPE (thermoplastic elastomer). Each jacket type has different benefits like washdown, abrasion resistant or high flexing applications. Finding the correct jacket type for your application can extend the life of the cable.

PVC is a general purpose cable and is widely available. It is a common cable, and typically has the best price point. PVC has a high moisture resistance, which makes it a good choice for wash-down applications.

PUR is found mostly in Asia and Europe. This cable jacket type has good resistance against abrasion, oil and ozone. PUR is known for being Halogen free, not containing: chlorine, iodine, fluorine, bromine or astatine. This jacket type does have limited temperature range compared to the other jacket types, -40…80℃.



TPE is flexible, recyclable and has excellent cold temperature characteristics, -50…125☒C. This cable is resistant against aging in the sunlight, UV and ozone. TPE has a high-flex rating, typically 10 million.

The table below details the resistance to different conditions. Note that these relative ratings are based on average performance. Special selective compounding of the jacket can improve performance.

Choosing the right jacket type can help reduce failures in the field, reducing downtime and costs.

Resistance to:	PVC	PUR	TPE
Oxidation	Excellent	Excellent	Outstanding
Heat	Good - Excellent	Excellent	Outstanding
Oil	Fair	Outstanding	Outstanding
Low Temperature Flexibility	Poor-Good	Exceltent	Outstanding
Weather, Sun	Good – Excellent	Excellent	Outstanding
Ozone	Exceltent	Exceltent	Excellent
Abrasion	Fair-Good	Exceltent	Excellent
Electrical Properties	Far-Good	Exceltent	Excellent
Flame	Excellent	Exceltent	Outstanding
Nuclear Radiation	Far	Exceltent	Poor
Water	Good - Exceltent	Good - Exceltent	Exceltent
Acid	Good - Exceltent	Excellent	Excellent
Alkali	Good - Excellent	Excellent	Excellent
Gasoline	Poor	Exceltent	Excellent
Benzol	Poor - Far	Excellent	Excellent
Degreaser Solvents	Poor - Far	Excellent	Excellent
Alcohol	Good - Excellent	Excellent	Excellent
Weld Slag	Fair	Excellent	Excellent

WELDING CABLE

PVC WELDING CABLE

ONE

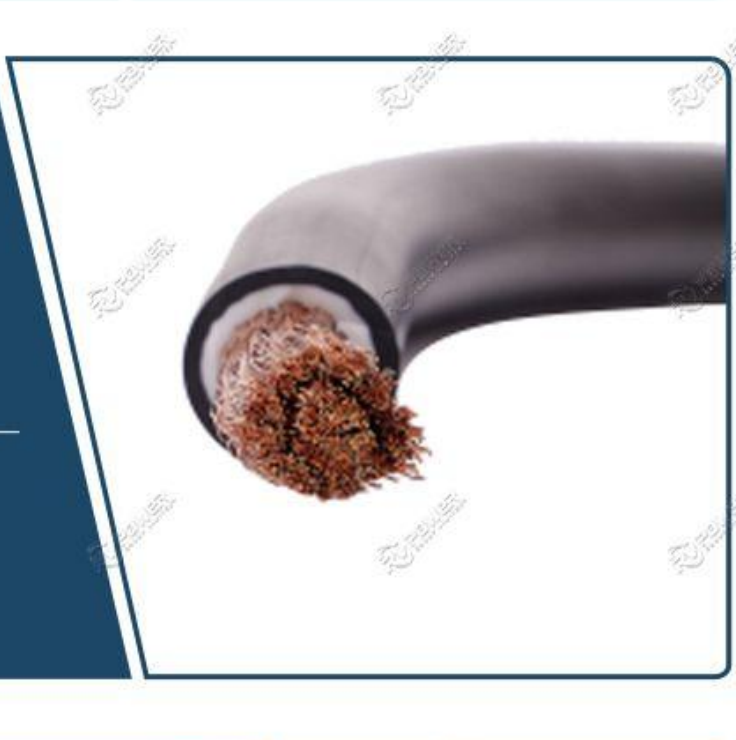
OXYGEN FREE PUR COPPER/TINNED COPPER/COPPER-CLAD ALUMINUM/ ALUMINIUM ALLOY

The conductor is built up from 0.2mm diameter strands to ensure flexibility.

TWO

INSULATION

DOUBLE PVC/ NBR



THREE

VOLTAGE RATING

100V (450V for non-welding applications if suitably protected from mechanical damage)

FOUR

LOW ECCENTRICITY

The outer skin is thin and uniform, effectively preventing current breakdown and ensuring power safety

FIVE

HIGH FLEIXBLE JACKET

Special PVC /NBR special rubber compound
Soft moisture and abrasion resistant

OIL RESISTANT

FLAE RESISTANT

HALOGEN FREE

COLD RESISTANT

ABRASION RESISTANT

OZONE RESISTANT

UV RESISTANT

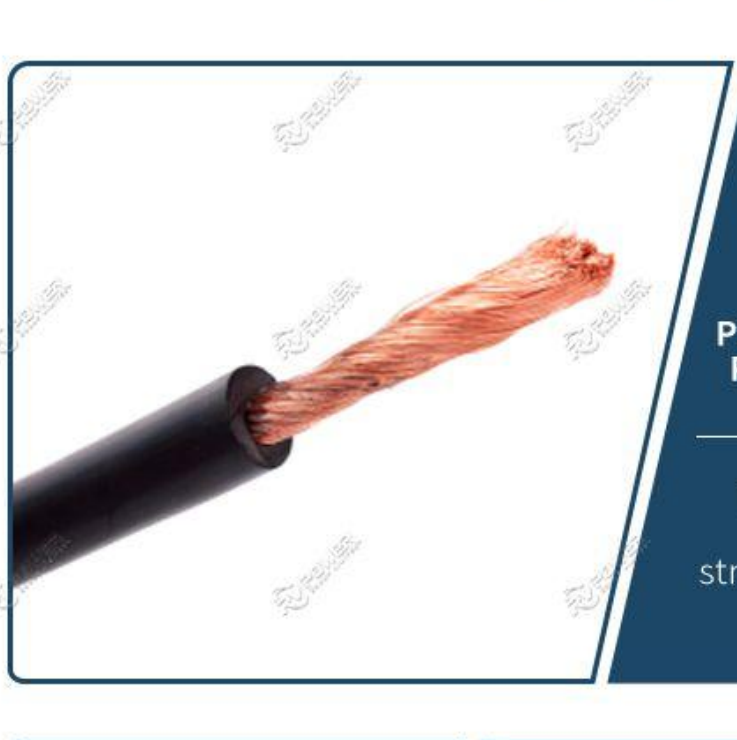
MICROBE RESISTANT

MUD RESISTANT

WATER RESISTANT

strong
×
durable

RUBBER WELDING CABLE



ONE

OXYGEN FREE PUR COPPER/TINNED COPPER/COPPER-CLAD ALUMINUM/ ALUMINIUM ALLOY

The conductor is built up from 0.2mm diameter strands to ensure flexibility.

TWO

HIGH STRENGTH AND GOOD INSULATION

Good flame retardancy

THREE

VOLTAGE RATING

100V (450V for non-welding applications if suitably protected from mechanical damage)

FOUR

LOW ECCENTRICITY

The outer skin is thin and uniform, effectively preventing current breakdown and ensuring power safety

FIVE

HIGH FLEIXBLE JACKET

PURE NATURAL RUBBER MATERIAL
Soft moisture and abrasion resistant