



Spiral Cable|spiral electrical cable is a straight wire cable twisted by one or several groups of insulated wires. The spiral state is completed on the metal core rod, and then it is cooled and cooled after 30 minutes to 120 minutes of heat processing and shaping in the drying room. There are air cooling and water cooling. [Spiral Cable](#) is stretchable in a spiral state (the time is determined by the temperature and the sheath material).

Spiral Cable|spiral electrical cable classification

1. PVC spiral cable: high economy, low mechanical and chemical resistance. Medium elasticity. It is suitable for installation and use in light industry, computer and other occasions.
2. PUR spiral cable: very good elasticity. It has mechanical and chemical properties, especially cold resistance, oil resistance, weather resistance, abrasion resistance and tear resistance. It is suitable for use in machinery manufacturing, electric tools and other occasions. It is an excellent solution in most areas of application.
3. PUR shielded spiral cable: has the chemical properties. Particularly resistant to cold, oil, weather, abrasion and tearing. The spiral overall shielding structure can resist all kinds of electromagnetic interference, and is especially suitable for all occasions that require very small installation space such as medical treatment, semiconductors, and chips.

Spiral Cable|spiral electrical cable structure

Conductor: use single strand or glued bare soft copper wire (or tinned copper wire)

Insulation material: polyvinyl chloride, polyethylene to meet the requirements of different occasions.

Sheath material: generally use polyurethane elastic material, TPU material or PVC

Working temperature: according to customer requirements, cold resistance -65 degrees; temperature resistance 80 degrees. 105 degrees. 125 degrees

Production range: Standard section: 0.12 ~ 4 square meters (special specifications can be produced according to customer requirements).

Number of electric cores: 1 ~ 37 cores (special specifications can be produced according to customer requirements).

Spiral Cable|spiral electrical cable Specification information:

	PVC spiral cable	Pur spiral cable	Pur shielded spiral cable	TPU spiral cable
Elastic elongation	1:3	1:4	1:4	1:3.5
voltage	300/500	300/500	300/500	300/750
working temperature	-5°C~+70°C	-25°C~+80°C	-25°C~+80°C	-25°C~+80°C
Number of cores (customizable)	2,3,5	2,3,4,5,7,12,18	2,4,5,6,7,8,12,25	2,3,4,5,7,8,12
Nominal cross section of core mm ² (customizable)	0.75,1.5	0.75,1.0,1.5,2.5	0.14,0.25,0.5	0.5,0.75,1.0,1.5,2.5
Screw closure length (WL) mm	200~2800	200~3000	200~1500	500~2500
Tensile range mm	400~5600	800~12000	900~4500	1750~8750
Color of outer sheath	Black, white	Black, white, orange	black	black
Characteristics and Application	High economy, suitable for light industry, computer and other occasions.	It has good mechanical and chemical properties, especially cold resistance, oil resistance, weather resistance, wear	It has good mechanical and chemical properties, especially cold resistance, oil resistance, weather	It has good weather resistance, resistance to various types of oil and chemicals, good tensile and bending

		<p>resistance and tear resistance. Especially suitable for mechanical manufacturing, electric tools and other occasions</p>	<p>resistance, wear resistance and tear resistance. The spiral overall shielding structure can resist all kinds of electromagnetic interference, especially suitable for semiconductor, chip and other occasions requiring minimal installation space.</p>	<p>properties. It is widely used in construction industry, transportation equipment and metallurgy.</p>
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Spiral Cable|spiral electrical cable Features:

Has good flexibility and elasticity (elongation length can reach 3.5-4 times the original spring length). It has good cold resistance, flame resistance, oil resistance and abrasion resistance. Various types of spiral spring wires can be produced according to the different requirements of the occasion.