

**Characteristic:**

**1. Physical properties**

**a、excellent mechanical properties:**

Tensile strength $\geq$ 11MPa; elongation at break $\geq$ 125%

After aging:

Condition: 110 $\pm$ 2 $^{\circ}$ C, 168h

Tensile strength residual rate $\geq$ 80%; elongation at break $\geq$ 50%

**b、Flame retardancy:** Hang at an angle of 45 $^{\circ}$ , the fire supply time is 15S, the continuous burning of the sample after extinguishing can not exceed 70S, and the unburned part of the top of the sample should not be less than 50mm.

**c、Low temperature bending:** -40 $\pm$ 2 $^{\circ}$ C, 3h, After low temperature treatment, the sample is wound on the test bar at a uniform speed of 10 seconds per turn, and the surface of the sample is free of cracks. Return the sample to room temperature, and then carry out the voltage resistance test. The insulation will not break down.

**2. Electrical performance**

**a、oltage endurance test:** The two ends of the sample are stripped of insulation and placed in 5% salt solution. The water surface of the two ends does not exceed 150mm, and the immersion liquid lasts for 5 hours. Apply 1000Vrms and 50-60Hz voltage for one minute without breakdown of insulation.

**3. Processing performance**

a、 suitable for all conventional wire harness processing

b、 If you have special needs, please let us know.

**4. Environmental protection**

a、 in line with ROHS/REACH

**application:**

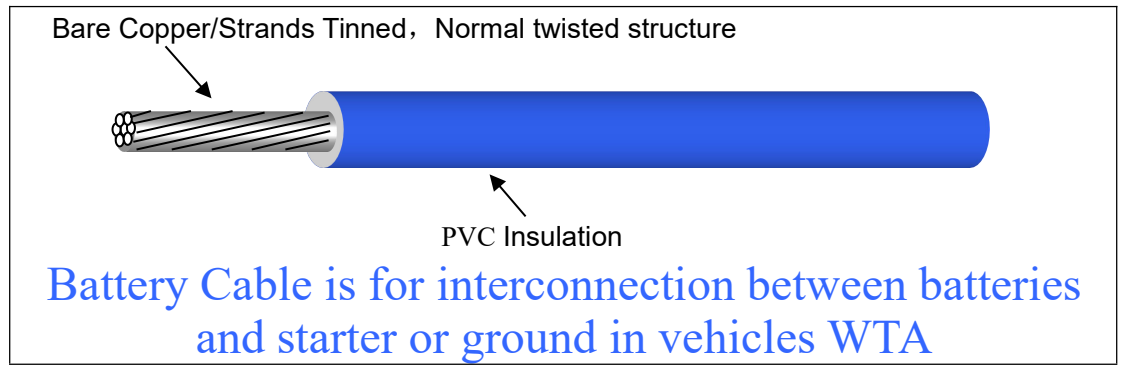
Battery Cable is for interconnection between batteries and starter or ground in vehicles

**Guideline:**

SAE J1128、 SAE J1678、 ISO6722

**Overview:**

Install electric wires inside to prevent sharp bends under impact and high temperature



**Wire structure description:**  
 Conductor: Bare Copper/Strands Tinned (Normal twisted structure)  
 Insulation materials: PVC Insulation

Battery Cable is for interconnection between batteries and starter or ground in vehicles  
 Rated temperature: -40 $^{\circ}$ C-85 $^{\circ}$ C Rated voltage: 60V

STYLE	SIZE AWG	Conductor construction (No./ mm) $\pm$ 0.005	Conductor diameter (mm)	Conductor resistance 20 $^{\circ}$ C ( $\Omega$ /Km)	insulation thickness (mm)		Over diameter (mm)	
					Nom.	Min.	Nom.	Tole.
WTA	22	7/0.25	0.76	53.90	0.25	0.20	1.30	$\pm$ 0.10
	20	7/0.32	0.98	34.30	0.25	0.20	1.50	$\pm$ 0.10
	18	19/0.235	1.18	23.00	0.25	0.20	1.70	$\pm$ 0.10
	16	19/0.287	1.44	15.50	0.25	0.20	2.00	$\pm$ 0.10
	14	19/0.361	1.82	9.44	0.25	0.20	2.30	$\pm$ 0.15

**Sign:**

1、 Printing: NO

2、 Label identification: manufacturer, model, specification, rated temperature resistance, rated withstand voltage, insulation material, color, package length, Production Date

**3F product code:**

E.g: WTA-2200-07G
WTA Car line, 22AWG, black, 7/0.25, Bare Copper

**SAE COLOR SERIES**

*STOCK COLOR CHART				
00-BLACK	01-WHITE	02-RED	03-YELLOW	04-GREEN
05-BLUE	06-BROWN	07-GREY	08-ORANGE	09-VIOLET

**PACKAGE**

*PACKAGE				
Part No.	Packing-M/roll			
22~16AWG	<input type="checkbox"/> 100M	<input type="checkbox"/> 200M	<input type="checkbox"/> 500M	<input checked="" type="checkbox"/> 1000M
14AWG	<input type="checkbox"/> 100M	<input type="checkbox"/> 200M	<input checked="" type="checkbox"/> 500M	<input type="checkbox"/> 1000M

According to customer requirements for packaging packaging

Serial number	change content	confirm	date	prepared by	Chen Li
A/0	First release	Jin Biao	2019.09.21	Review	Zhang Heng
				Approve	<i>[Signature]</i>
				Date of preparation	2019.09.21