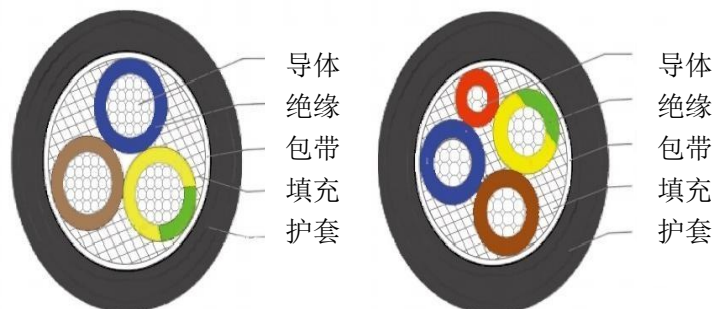


# Product Specifications

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## UL 62:2018 Electric Vehicle Cable

### Description

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Conductor: Stranded, finely stranded, per ASTM B 3 or NMX-J-O36-ANCE

Insulation: TPE or PVC

Filling: PP mesh filling rope

Tape: thin non-woven fabric

Sheath: TPE or PVC, color one black

### Technical Parameters

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Rated voltage: 300V, 600V or 1000V

Hipot test: test according to UL62 Table 47

Conductor working temperature:  $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$

Working environment temperature of the product:  $-40^{\circ}\text{C} \sim +50^{\circ}\text{C}$

Minimum bending radius: 4D for static applications; 5D for dynamic applications

# Product Specifications

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## Applications

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It is mainly used for the connection between the AC electric vehicle charging pile and the electric vehicle, and can also be used for the connection between the portable charging device and the charging power source.

## Product Features

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- Flame retardant performance: UL62 (according to VW-1 combustion test and FT2 combustion test, the test method adopts UL2556)
- Oil resistance: UL62 (60°C/168h, IRM902, retention rate of tensile strength and elongation at break  $\geq 75\%$ )
- Weather resistance: UL62 (after 720h aging test, the finished product has no cracks when bent, and the retention rate of tensile strength and elongation at break is  $\geq 80\%$ )
- Flexing resistance: UL62 (the number of flexing of the product is not less than 15,000 times, the test method is in accordance with UL2556)
- Dielectric constant and stability coefficient: UL62 (the dielectric constant and stability coefficient of the product soaked in 60°C water meet the requirements of UL62 standard, and the test method is in accordance with UL2556)
- Low temperature bending: UL62 (-40°C/4h, no cracks on the cable surface)
- Thermal Shock: 150°C/1h, in line with UL 2556
- Anti-vehicle crush: meet UL62 requirements
- Meet RoHS

# Product Specifications



Product Type	Specification	Outer Diameter mm	Outer diameter range	Conductor max DC resistance(20℃)	Ampacity
EVE EVT	3×16AWG	1.52	9.8~11.2	14.1	12
	3×14AWG	1.87	12.4~13.8	8.88	16
	3×12AWG	2.60	13.9~15.3	5.58	23
	3×10AWG	3.30	15.4~16.8	3.51	32
	3×8AWG	4.00	22.3~23.7	2.23	46
	2×9AWG+10AWG	3.51/3.13	17.9~19.3	2.78/3.51	35
	2×6AWG+8AWG	5.60/4.15	23.3~24.3	1.40/2.23	63
	2×2AWG+4AWG	8.85/6.67	30.6~32.6	0.555/0.882	125
	2×1AWG+3AWG	9.95/7.43	35.2~37.2	0.440/0.700	150