

# Metal Strip for Cable Armor & Shielding

## About us

Haomei is a professional manufacturer and supplier specializing in the R&D, production and sales of aluminum transformer strip, copper strip roll for transformer, cable armored aluminum and copper strip. With years of experience in the metal processing industry, we have built a complete production system and made our way in the fierce market competition.



## Technological advantages

1. A well-balanced alloy formulation ensures that aluminum and copper strips achieve the required high strength and elongation.
2. Segmented annealing is employed, adjusting the linear relationship between annealing temperature rise and fall, and extending the holding time to guarantee uniform annealing.
3. Advanced slitting and winding equipment allows slit products to directly meet the requirements of electrical equipment with different apertures, reducing rewinding

steps and lowering costs.

4. Imported cutting tools and upgraded slitting equipment ensure that the slit aluminum strip is straight, with flat ends, free of flared edges, curled edges, or burrs.

## Product catalogue

### 1. Aluminum Alloy Strip for Cable Armor

#### Applicable:

- Medium and low voltage armored power cables
- Fire-resistant and special cables
- Cables for highly corrosive environments
- Outdoor overhead optical cables
- Duct and indoor optical cables
- Cold shrink cable joint reinforcement
- Cable terminal protection; industrial plant support
- Armoring of temporary power supply lines
- Duct and support repair



Product Specification						Mechanical properties	
Name	Grade	Thickness(mm)	Thickness tolerance	Width(m)	Width tolerance	Tensile strength(MPa)	Elongation
Armored Aluminum Alloy Strip	5052	0.3	±0.02	25-50	±0.1	220-260	≥ 8
	5154	0.4		30-60		240-290	≥ 10
	5154 A	0.5		30-60			
		0.6		30-60			
		0.8		30-60			

### 2. Interlocking Aluminum Armor Tape

#### Applicable:

- Medium and low voltage power cables (0.6/1kV to 35kV)
- Aluminum alloy conductor power cables
- Specialty cables for special scenarios (submersible pump cables, cables for hazardous environments)



- Armored optical fiber cables for communication

Alloys	5052, 5154, 5154A
Tempers	H22, H24
Thickness(mm)	0.50, 0.60, 0.65, 0.75, 0.80; customization is available.
Thick tolerance(mm)	±0.02
Width(mm)	9.5, 12.7, 19, 25.4; customization is available.
Width tolerance(mm)	±0.1
Coil ID	300-400 mm
Coil OD	900-1200 mm

### 3. Color Coated

#### Aluminium Strip Roll

**Applicable:**

- Power system cables
- Communication cables
- Industrial cables
- Infrastructure cables
- Specialty cables
- Civil and commercial building cables



Alloys	Tempers	Thickness(mm)	Thickness tolerance(mm)	Width(mm)	Width tolerance(mm)	Tensile strength(MPa)	Elongation(%)
5052 5154 5154 A	H24	0.48	±0.02	9.53	±0.10	240-260 276-303	≥ 8
		0.584					≥ 10
		0.63					
		0.584		12.7			
		0.63					
		0.76					
		0.76		19.05			
		0.85					

### 4. Finished Rewinding Cable Aluminum Alloy Strip

**Applicable:**

- Power cables
- Aluminum alloy cables

- Flexible fire-resistant cables
- Directly used in customer equipment

Grades	Temper	Width(mm)	ID(mm)	OD(mm)	Single roll weight(kg)	Tensile strength(kg)
5052 5154 5154A	H24	150-500	200-450	850-1200	300-500	5-10

## 5. Aluminum Strip for Cable Shielding

### Applicable:

- New energy cables
- Photovoltaic cables
- Aluminum alloy tape for replacing copper tape shielding

Product Specification						Mechanical properties	
Name	Grade	Thickness(mm)	Thickness tolerance	Width(m)	Width tolerance	Tensile strength(MPa)	Elongation
Aluminum Strip for Cable Shielding	5052	0.12	±0.02	15-30	±0.1	115-175	≥ 20
	5154	0.15		15-30		175-210	≥ 15
	5154A					210-290	≥ 10
		0.18		25-45			

## 6. Aluminum Strip for Argon Arc Welding

Applicable for Production of flexible fire-resistant cables, mineral-insulated cables, and other metal aluminum sheath welding and corrugation.

Alloys	Temper	Thickness(mm)	Thickness tolerance(mm)	Width(mm)	Width tolerance(mm)	Tensile strength(MPa)	Elongation(%)
1050	O	0.60	±0.02	40-100	±0.10	40-100	≥ 30
1060		0.80		40-120		70-90	≥ 35
3003		1.0		80-200		95-135	≥ 20

		1.1		80-200			
		1.2		80-200			
		2.0		100-50			
		2.3		0			

## 7. Armored Copper Strip

Applicable for armoring power cables, mineral-insulated cables, and flexible fire-resistant cables. It can be directly applied to customer equipment, reducing processes and improving efficiency.



Alloys	Temper	Thickness(mm)	Thickness tolerance(mm)	Width(mm)	Width tolerance(mm)	Tensile strength(MPa)	Elongation(%)
H68 H65 T2 TU	Y4 M	0.3	±0.01	9.5	±0.10	330-380	≥ 30
		0.4					
	0.4	12.7					
	0.5						
	0.5						
	0.6			19			
						195-235	≥ 35

## Contact us

You can get us through the following ways:

Email: [dolly@alumhm.com](mailto:dolly@alumhm.com)

Whatsapp: +86-15978414719

Wechat: +86-15978414719

