

ZHEJIANG ZHONGJING WIRE AND CABLE CO., LTD

Address: No. 899 North Huancheng Road, Deqing County, Huzhou City, Zhejiang Province, P.R.China

Cable Basic Information

Classification :	Flat Earth Cable
Manufacturer :	ZHEJIANG ZHONGJING WIRE AND CABLE CO., LTD
Cable Type :	/
Specification :	2x1.5+1mm ²
Rated Voltage :	300/500V

General Description

Flat grounding cables are suitable for scenarios such as building home decoration, industrial control equipment, machine room communication, elevators, and mobile mining equipment. They are used for equipment protection grounding, equipotential bonding, and fault current diversion.

Cable Construction

Conductor	Conductor material	The first category of solid conductors
	Conductor structure	2*1/1.38*1/1.13mm
Insulation	Material	PVC (70℃)
	Color	Blue, Brown
	Nominal Thickness	0.7mm
	Insulation OD	2.78mm
Sheath	Material	PVC (70℃)
	Color	White
	Thickness (mm)	0.9
	Outer Diameter (mm)	4.58x8.49±0.3
Marking	Marking Content	Standard marking includes manufacturer name "ZHEJIANG ZHONGJING WRE AND CABLE CO., LTD.", cable model, specification, voltage mark; customized marking available upon customer request.
Packing	Packing Requirement	According to customer requirements

Electrical Characteristics

Conductor DC Resistance at 20℃ (4mm ²) 20℃	Max.12.1Ω/KM, Max.18.1Ω/KM
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Low Voltage Directive	2014/35/EU
Voltage Test	AC 2.5KV/5min No breakdown

Mechanical& Environmental Properties

Aging tensile strength	≥12.5MPa (Insulation) ; ≥12.5MPa (Sheath)
Fracture elongation at aging	≥200% (Insulation) ; ≥150% (Sheath)
Tensile strength after aging	≥10MPa (Insulation) ; ±75% (Sheath Change Rate)
Fracture elongation after aging	≥100% (Insulation) : ±65%(Sheath Change Rate)
Low-temperature tensile test	-15C± 2°C for 16 hours; stretching rate:25 mm/min; elongation at break ≥ 20%.
Low-temperature impact test	No cracks on the inner or outer surfaces.

Motion Characteristics

Long-term allowable operating temperature	-15°C~+90°C
Maximum short-circuit temperature	160°C
Minimum bending radius	Fixed installation: 4XD ; Installation layout: 6xD

The unit of structural dimensions is: mm

Version	Date	Change Record	Preparation	Review	Manufacturer
V1.0	2026-07-21	New Release	Liu Mengjiao	Ding Jingkai	ZHEJIANG ZHONGJING WIRE AND CABLE CO.,LTD

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Cable Construction

Conductor	Conductor material	The first category of solid conductors
	Conductor structure	2*1/1.78*1/1.38mm
Insulation	Material	PVC (70°C)
	Color	Blue, Brown
	Nominal Thickness	0.8mm
	Insulation OD	3.38mm
Sheath	Material	PVC (70°C)
	Color	White
	Thickness (mm)	1
	Outer Diameter (mm)	5.38x10.14±0.3
Marking	Marking Content	Standard marking includes manufacturer name "ZHEJIANG ZHONGJING WRE AND CABLE CO., LTD.", cable model, specification, voltage mark; customized marking available upon customer request.
Packing	Packing Requirement	According to customer requirements

Electrical Characteristics

Conductor DC Resistance at 20°C (4mm²) 20°C	Max.7.41Ω/KM, Max.12.1Ω/KM
Low Voltage Directive	2014/35/EU
Voltage Test	AC 2.5KV/5min No breakdown

Mechanical& Environmental Properties

Aging tensile strength	≥12.5MPa (Insulation) ; ≥12.5MPa (Sheath)
Fracture elongation at aging	≥200% (Insulation) ; ≥150% (Sheath)
Tensile strength after aging	≥10MPa (Insulation) ; ±75% (Sheath Change Rate)
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