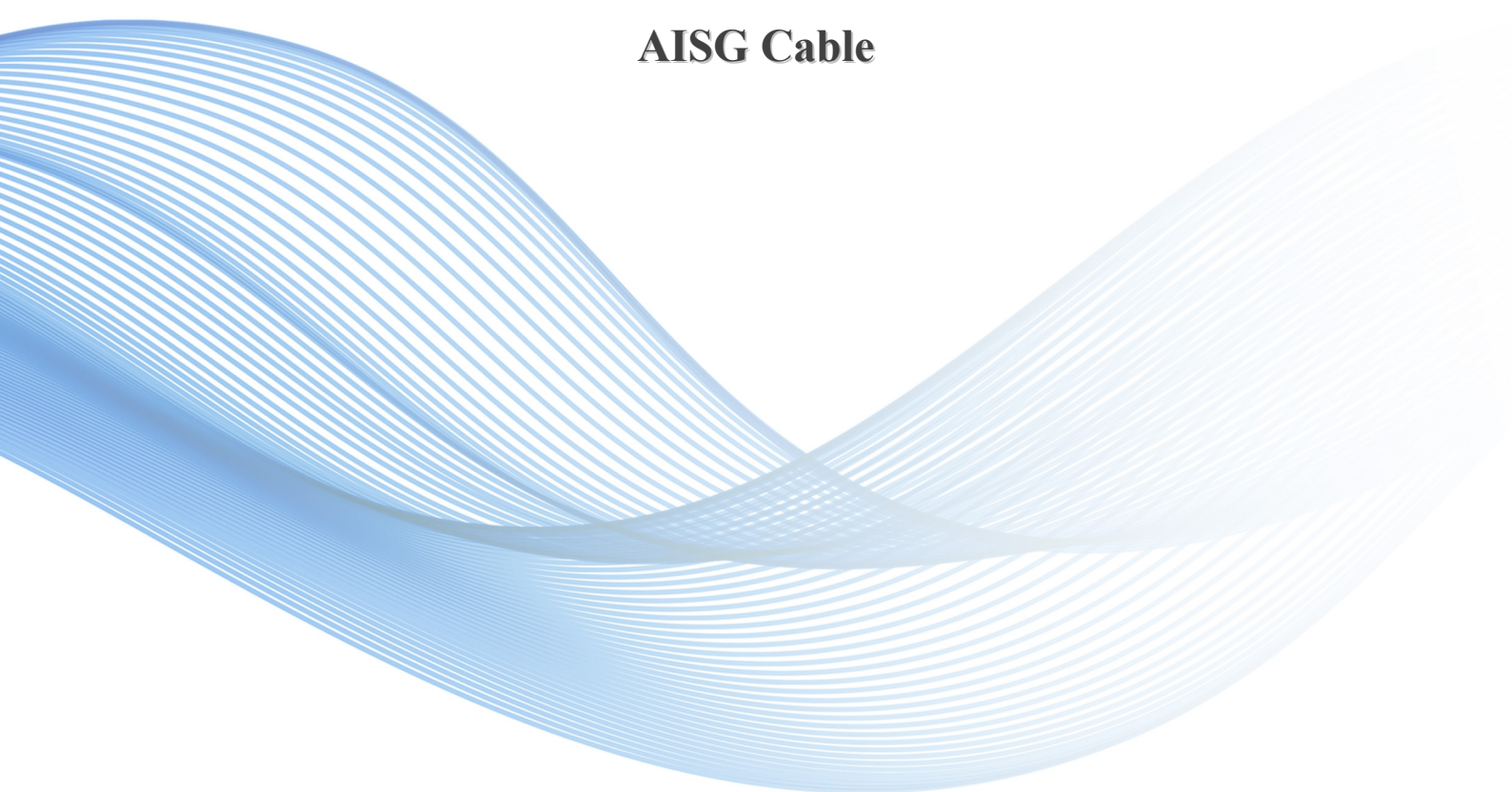


# TECHNICAL SPECIFICATION

## AISG Cable



A	November 9, 2023	Louise	Mr.Hu	Hugo
<b>Version</b>	<b>Date</b>	<b>Prepared</b>	<b>Reviewed</b>	<b>Approved</b>

## 1. GENERAL

### 1.1 Scope

This specification covers the general requirements and performance of jumper cables provided by JiangSu Zhongtian Technology Co., Ltd. (hereafter called ZTT for short).

### 1.2 Cable Description

ZTT jumper cables have the following advantages: low VSWR, excellent flexibility, easy attachment and waterproof.

### 1.3 Quality

Excellent quality control is achieved through intense in-house quality check and stringent audit acceptance by ISO 9001.

### 1.4 Reliability

ZTT ensures product reliability through rigorous qualification testing of each product family. Both initial and periodic qualification testing are performed to assure the cable's performance and durability in the field environments.

### 1.5 Reference

The cables which ZTT offered are designed, manufactured and tested according to international standards as follows:

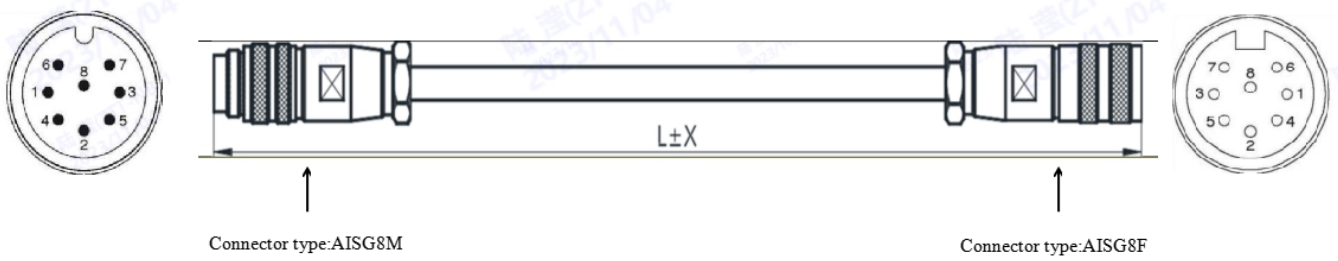
RoHS 2011/65/EU	It standardizes the materials and process standards of electronic and electrical products, so as to make it more conducive to human health and environmental protection.
ISO 9001:2015	ISO9001 international quality management system standard is a set of management systems and standards
ISO 14001:2015	International standard focus on environmental management

### 1.6 Product list

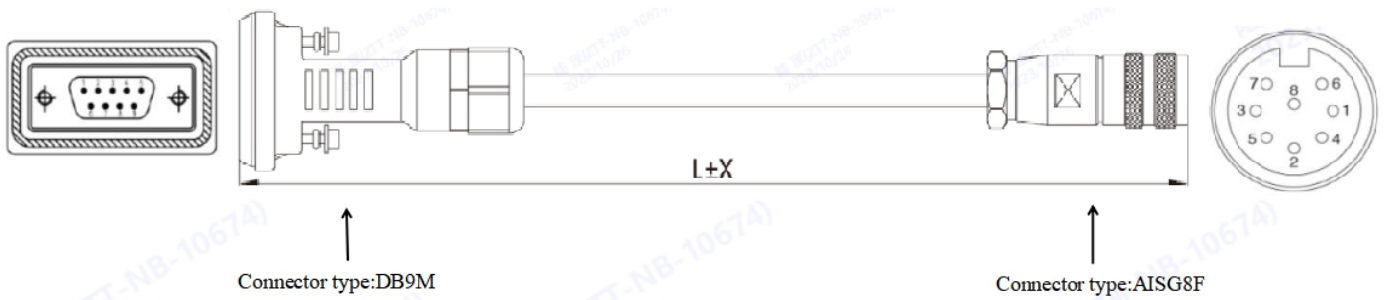
Connector Type	Length(M)	Part Number
AISG8M-AISG8F	10	AISG8M-AISG8F*10
	20	AISG8M-AISG8F*20
DB9M-AISG8F	10	DB9M-AISG8F*10
	20	DB9M-AISG8F*20
DB15M-AISG8F	10	DB15M-AISG8F*10
	20	DB15M-AISG8F*20

## 2. CABLE STRUCTURE

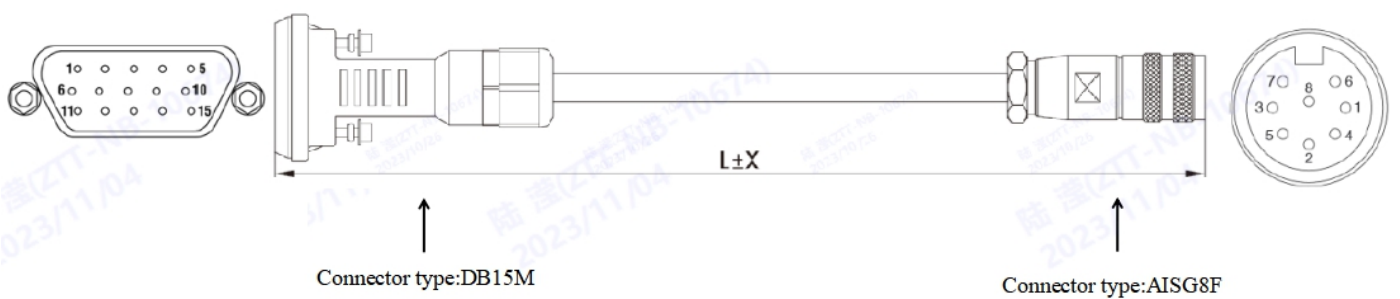
### AISG8M-AISG8F



### DB9M-AISG8F



### DB15M-AISG8F



### 3. PRODUCT PERFORMANCE

Characters	Specification
Application	Adjust the electric tilt of the Antenna with RET
Cable Length (m) & tolerance (%)	10m or 20m, tolerance $\leq 1\%$
Protocol	AISG 2.0/AISG1. 1
IP Protection Class	IP67
Max Voltage (V)	$\geq 58$
Rated Current(A)	$\geq 4A$
Characteristics Impedance ( $\Omega$ )	100 $\pm$ 20
Connector A - to RCU	8pin Female
AISG Connector A Body Style	Straight
AISG Connector A Standard	IEC 601309
AISG Connector B - to RRU	8pin Male 9 pin Male 15 pin Male.
Wire	
Construction	Twisted pair, 4 pairs
Conductor cross-section area (mm <sup>2</sup> )	0.205 $\pm$ 0.02
Wire Insulation diameter (mm)	1.03 $\pm$ 0. 1
Jacket Diameter (mm)	7.0 $\pm$ 0.3
Electrical characteristics	
Contact Resistance(m $\Omega$ )	$< 5$
Insulator Resistance (M $\Omega$ )	$\geq 5$
Environmental requirements	
Temperature range ( $^{\circ}C$ )	-40 $\div$ 70
Salt mist (h)	$\geq 48$
Environmental Standard	RoHS

### 4. PACKING INFORMATION

ZTT AISG cables are packed in carton, and the connectors are assembled at the end of the cable. During transportation, available transportation tool should be handled carefully to avoid damaging the package.

**Design:**

