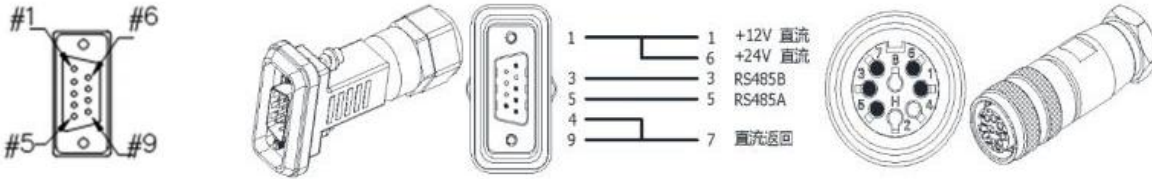
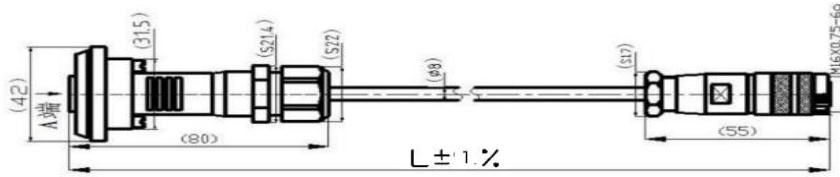


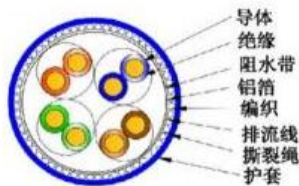
# TECHNICAL SPECIFICATION

Part No: FHDT-AISGF-DB9-10M/20M

Figure



## 2.Cable spec



## 3.Construction 结构

### Wire

Construction	Twisted pair, 4 pairs
Conductor material	Tinned copper wire / bare copper wire
Conductor cross-section area	24AWG(0.205±0.02mm <sup>2</sup> )
Conductor outer diameter	0.52±0.03mm
Insulation Materials	HDPE/PVC/PP
Insulation outer diameter	1.03±0.1mm
Thinnest thickness	0.2mm
Nominal Thickness	0.3mm

### Shield

Material1	Aluminum-plastic composite tape (Thickness ≥ 0.04mm)
Material2	Tinned copper wire (diameter ≥ 0.1mm)

### Jacket

Weave density	≥ 45%
Material	PVC
Diameter	7.0±0.3mm
Thickness	1.0±0.1mm
Color	Black

## 4.contcat 接点

Pin	DB9 Male	AISG Female
1	Blue\white blue	blue
2	/	/

3	green	green
4	brown	/
5	white green	white green
6	/	white blue
7	/	brown\white brown
8	/	/
9	white brown	/

#### 5.PRODUCT SPECIFICATION 产品规格

Frequency range (频率范围) N/A

#### 6.MATERIAL AND FINISH 材质和电镀层种类

Outer Contact (外导体)	HPb59-1/nickel
Center Contact (中心导体)	C5210 Ni50u" /Au3u"
Cover (防尘帽)	PE
Insulator (绝缘体)	PBT
Seal (绝缘体)	Silicon Rubber

#### 7. ELECTRICAL CHARACTERISTICS 电气特性

Voltage Standing Wave Ratio (电压驻波比)	N/A
Contact Resistance (接触阻抗)	<5mΩ
Insulator Resistance (绝缘阻抗)	500MΩ

#### 8. MECHANICAL CHARACTERISTICS 机械特性

mechanical life (机械寿命)	500 cycles
Engagement Forces (插入力)	5PIN-60N max/DB9-60N max
Disengagement Forces (拔离力)	5PIN-60N max/DB9-60N max
Contact Retention (中心导体推力)	6 lbs Min
Coupling Nut Retention(联结螺帽承受力)	80 lbs (350 N) Min
Coupling Proof Torque(联结螺帽承受扭力)	10 lbs-in Min
IP-degree (防水要求)	IP67

#### 9. Environmental requirements 环境要求

Temperature range (温度循环)	-40℃ +85℃ (IEC 60068-1)
Neutral salt mist (中性盐雾)	168H 50 m/s
Vibration and impact (冲击、振动)	; 10~500Hz, 20m/s 2 Each party Upward sweep frequency cycle 10 times, 2h
Flammability (防火等级)	UL94-V0
environmental needs (环保要求)	RoHS

Max voltage (V)	250V
Rated Current (A)	5A
Characteristic impedance (Ω)	100±20
AISG Connector A	8pin Female
AISG Connector A Body Style	Straight
Protocol	AISG 2.0
AISG Connector A Standard	IEC601309
Subjects served by AISG cable	Adjust the electric tilt of the Antenna with RET