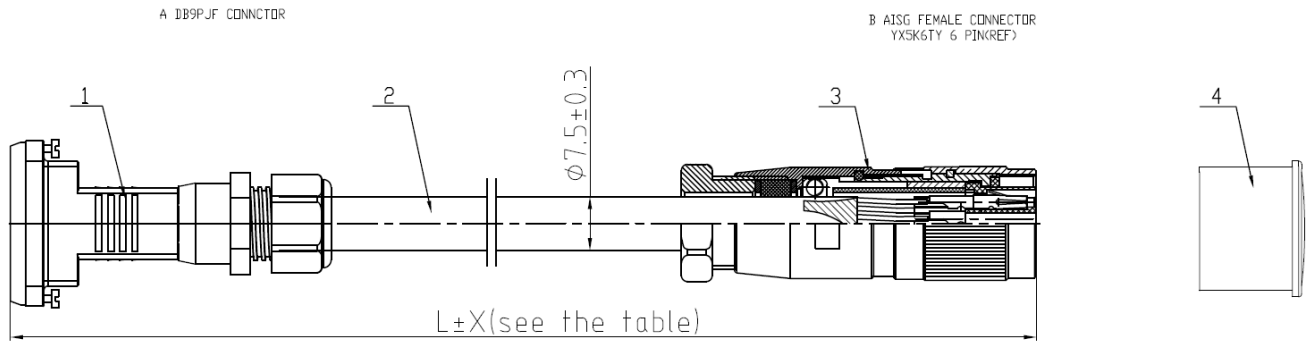


Drawing NO.	AFS-AISG9Series	Ver. 1	Rev.1
Part NO.	AISG9 Series		
Product Description	AISG RET Cable (AISG F-DB9)		Date: 2019.04.23
Draft: qianbo AFY/E	Checked: wangying AFY/Q	Approved: xuyiming AFY/MR	

Part NO.	Length (m)	Part NO.	Length (m)	Part NO.	Length (m)
AF9455	0.5	AF9461	50		
AF9456	3	AF9462	70		
AF9457	5				
AF9458	10				
AF9459	20				
AF9460	30				

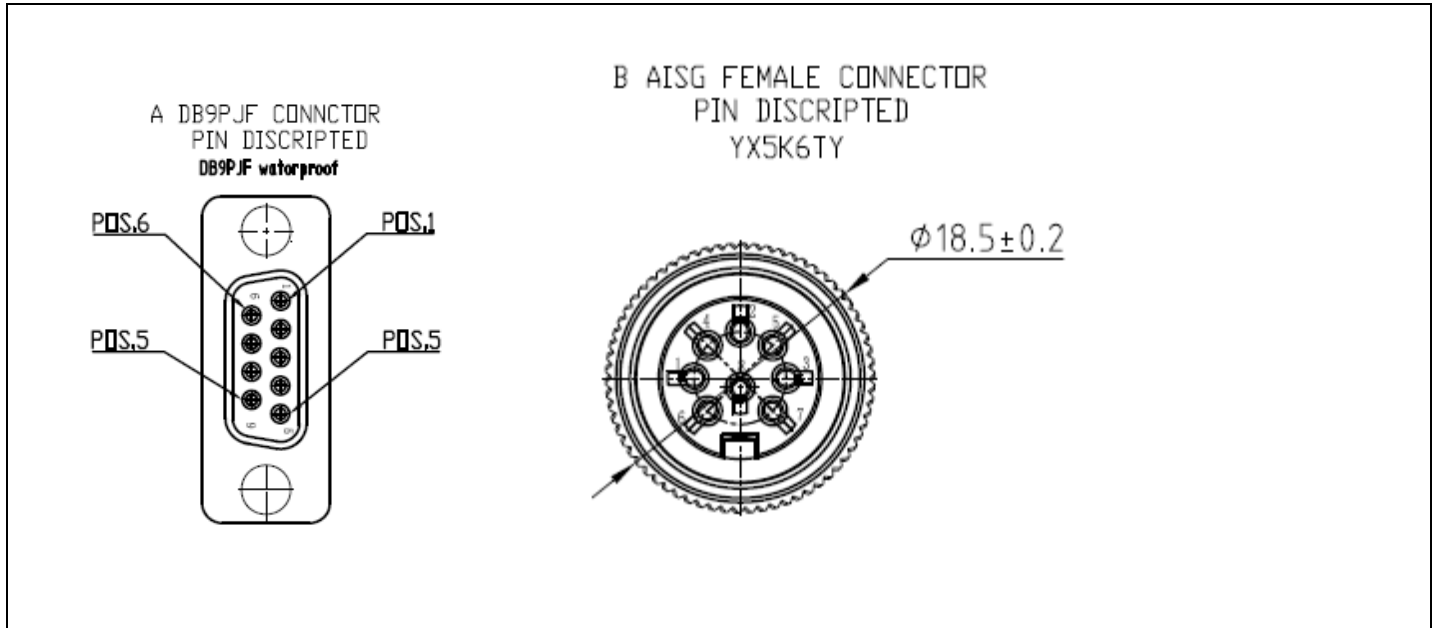


NOTE 1: TOLERANCE

$L > 3000\text{mm}$, $X=100$; $L \leq 3000\text{mm}$, $X=50$.

NOTE2: CONFIGURATION OF TERMINALS(PIN ASSY CHART)

DB15P JF		AISG-YX5K4T		WIRE COLOR	AWG	PIN ASSIGNMENT
PIN9	PIN9, PIN4	PIN7	PIN9, PIN4	Blue	0.75mm ²	RS-485 GND
PIN4	CONNECTED	PIN4	CONNECTED			
PIN5		PIN5		BROWN	0.25mm ²	RS-485A
PIN3		PIN3		WHITE	0.25mm ²	RS-485B
PIN1		PIN6	PIN6, PIN1	Black	0.75mm ²	+12V
		PIN1	CONNECTED			



Reference Standard	IEC601309(AISG) IEC60807-2(DB9)
Electrical Performance	
Rated Voltage (V)	300V
Rated Impulse Withstand Voltage (V)	650V
Test Voltage (V)	670V
Insulation Resistance (Ω)	1000 M Ω (MIN)
Current Rating (A)	5A/40°C
Contact Resistance (Ω)	10m ohm (MAX)
Characteristic Impedance(Ω)	100 \pm 20

Mechanical Performance	
Coupling style	Threaded
Mechanical Operating	500 mating cycles

Material and Plating		
Connector Parts	Material	Plating
Body	Brass	Nickel
Contact	Phosphor Bronze	Gold
Insulator	PBT 30%GLASS	
Over-mold	PVC	Black
Cable	UL2464 3C*0.75mm ² AWG+1p*0.25mm ²	
Protocol	AISG2.0	

Environment

Waterproofing Standard	IP67
Temperature Range	-40°C~+85°C
Storage Temperature	-45°C~+85°C
Relative Humidity	≤80%
Warranty	12 months
RoHS & WEEE	Compliant

Package

Package P/N: 521232

Package Size: 385*335*275

Part NO.	Length (m)	Quantity (pcs/ Carton)
9455	0.5	100
9456	3	30
9457	5	20
9458	10	15

Remark: Every AISG Cable must be individually packed with a plastic bag.

Notes

The technical specification contains proprietary information and such information may not be disclosed to others for any particular purpose or used for manufacturing purposes without written permission from Amphenol Fuyang.