

TECHNICAL SPECIFICATION

AISG CABLE



A.0	January 30,2024	Charles	Michael	Mr.Wang
Version	Date	Prepared	Reviewed	Approved

Electrical and Environment specifications			
Description		Technical Requirement for AISG	
Protocol		/	AISG 2.0 compliant
Max voltage		V	≥ 58 VDC
Rated Current		/	≥ 4A
Ingress Protection		/	IP 67 (connected)
Insulation DC Resistance		min, MΩ.km	≥ 500
Characteristic impedance		Ω	100±20
Working Temperature		Ω	-40 ~ +70
Fire-retardant grade		/	UL VW-1
Relative Humidity		/	5~95%
Mechanical specifications			
AISG Connector A - connect to RCU		/	8 PINs Female
AISG Connector A Body Style		/	Straight
AISG Connector A Standard		/	IEC 60130-9
AISG Connector B - Connect to RRU		/	8 PINs Male
AISG Connector B Body Style		/	Straight
Power and Ground Conductor Type	Type	/	Twisted pair, 2+4 cores
	Insulation material	/	PVC/PP/PE/HD-PE or better
	Conductor material	/	Bare Copper stranded or Better
Data Conductor Type	Type	/	2 x power supply, 2 cores
	Insulation material	/	PVC/PP/PE/HD-PE or better
	Conductor material	/	Bare Copper stranded or Better
Braid shield		/	Tinned Copper or better
Material of Jacket		/	PVC or better
Diameter Over Jacket		mm	≤ 8.0 ± 0.3
Color of Jacket		/	Black
Length		m	10m
Minimum bending radius, one time		mm	≤ 80
			

