



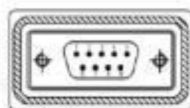
Main Features	
AISG 2.0/AISG 1.1 Compliant DB9-to-8-Pin RET Control Cable	
Feeds Data & DC Power to RET Components	
RoHS Compliant	
Electrical Data	
Protocol	3GPP/AISG 2.0/AISG 1.1
Voltage, Rated	300 V
Insulation DC Resistance	$\geq 500\text{M}\Omega \cdot \text{KM}$
Current, Rated	$> 4 \text{ A}$
Characteristic Impedance	$100 \pm 20 (\Omega)$
Environmental Data	
Operating Temperature Range	-40°C to $+70^{\circ}\text{C}$ -40°F to $+158^{\circ}\text{F}$
Relative Humidity	5% - 95%
Weather Protection	IP67 (connected)
Fire-retardant grade	UL VW- 1
Mechanical Data	
AISG Connector A	8-Pin DIN Female, Straight, IEC 601309
AISG Connector B	DB9 Male, Straight, IEC 601309
Braid Coverage	Coverage Rate $\geq 65 \%$
Data Conductors Type	Twisted 2 cores Bare Copper stranded
Data Conductors Insulation material	HD-PE
Power Conductors Type	Twisted 3cores Bare Copper stranded
Power Conductors Insulation material	HD-PE
Total Conductors, Quantity	5
Shield Material	Aluminum
Jacket Material	PVC
Color	Black
Diameter Over Jacket	$7.0 \pm 1 \text{ mm}$
Minimum bending radius	80mm (single)

Pin Assignments

8-Pin AISG Female Connector	DB9 Male Connector
1. +12 V DC Nominal	1. +12 V DC Nominal
2. Not Connected	2. Not Connected
3. RS485 B	3. RS485 B
4. RS485 GND	4. RS485 GND
5. RS485 A	5. RS485 A
6. +24 V DC Nominal	6. Not Connected
7. DC Return	7. Not Connected
8. Not Connected	8. Not Connected
	9. DC Return



Female



Male