

**Technical Data Sheet****Rosenberger**Water Proof AISG to DB9  
RET Control Cable**L99-C158-XXX****Main Features**

AISG 2.0 Compliant RET Control Cable  
 Feeds Data & DC Power to RET Components  
 RoHS Compliant

**Electrical Data**

Protocol	3GPP/AISG 2.0/AISG 1.1
Voltage, Operational	300 V
Voltage, Maximum	850 V
Contact Resistance	<5m Ω

**Environmental Data**

Operating Temperature Range	-40°C to +85°C   -40°F to +185°F (IEC 60068-1)
Relative Humidity	5% - 95%
Weather Protection	IP67
Flammability	UL94V

**Mechanical Data**

AISG Connector A	8-Pin DIN Female
AISG Connector B	9-Pin DB9 Male
Connector Outer Contact	HPb59-1/Zinc Alloy
Connector Center Contact	C5210 Phosphor Bronze
Connector Insulator	PBT
Connector Seal	Silicone Rubber
Total Cable Conductors, Quantity	6
Cable Shield Material	Aluminum
Cable Jacket Material	PU
Cable Color	Black
Cable Jacket Diameter	8.0 ± 0.2 mm
Cable Jacket Thickness	0.8 mm

## Technical Data Sheet

# Rosenberger

Water Proof AISG to DB9  
RET Control Cable

## L99-C158-XXX

### Part Numbers of Cables

Part Number	Length
L99-C158-1000	1 m
L99-C158-2000	2 m
L99-C158-3000	3 m
L99-C158-5000	5 m
L99-C158-10000	10 m
L99-C158-20000	20 m
L99-C158-30000	30 m
L99-C158-40000	40 m
L99-C158-50000	50 m
L99-C158-60000	60 m
L99-C158-70000	70 m
L99-C158-80000	80 m
L99-C158-90000	90 m
L99-C158-100000	100 m

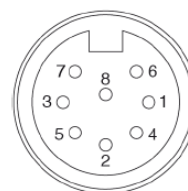
### Pin Assignments:

#### 8-Pin AISG-K Female Connector

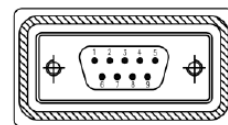
- +12 V DC Nominal
- Not Connected
- RS485 B
- RS485 GND
- RS485 A
- +24 V DC Nominal
- DC Return
- Not Connected

#### DB9 Male Connector

- +12 V DC Nominal
- Not Connected
- RS485 B
- RS485 GND
- RS485 A
- Not Connected
- Not Connected
- Not Connected
- DC Return



Female



Male

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Checker	Approved	Date	Rev.	Engineering Change Number	Name	Date
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