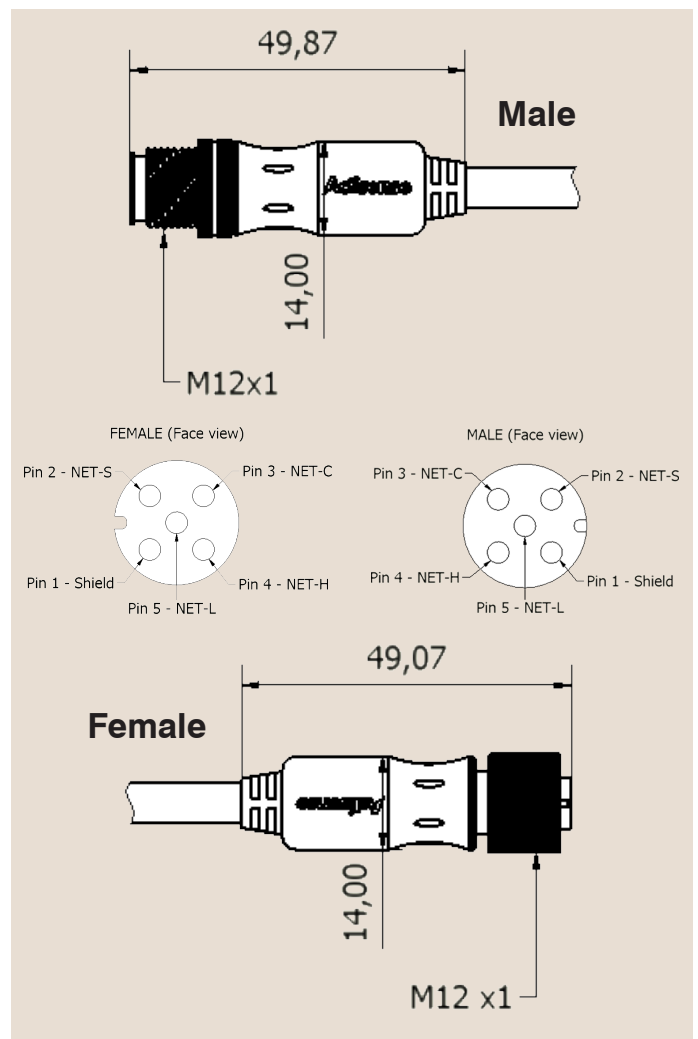




Micro Cable Assemblies

Technical Specifications

Electrical	
Rated Current	4 A
Rated Voltage	25 V (AC/DC)
Mechanical	
Male Contact	Brass, gold plated
Female Contact	Phosphor bronze, gold plated
Contact Carrier	PBT, black
Contact Polarisation	Standard M12 -"A"- polarisation
Mating Thread	M12
Screw Cap	Brass, nickel plated
O-Ring Seal	Rubber, black
Housing	PVC, black
Power Pair	22 AWG (19 strand tinned copper)
Data Pair	24 AWG (19 strand tinned copper)
Drain	22 AWG (19 strand tinned copper)
Braid	37 AWG (tinned copper)
Jacket Material	0.8 mm Nom. PVC, black
Jacket Outer Diameter	6.85 mm ±0.254 mm
Weight (0.5 metre)	67 g
Weight (1 metre)	102 g
Weight (5 metre)	379 g
Weight (10 metre)	733 g
Approvals and Certifications	
Protection	IP67 (when mated)
Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +85°C
NMEA 2000 Certified	
RoHS Compliant	
UL Certified (E137250), (UL1277)	



Connections

Name	Connector Pins	Wire Colour
NET-L	Pin 5	Blue
NET-H	Pin 4	White
Shield	Pin 1	Green
NET-S	Pin 2	Red
NET-C	Pin 3	Black

Part Number	Description
A2K-TDC-0M5	NMEA 2000 Micro Cable Assembly 0.5 metre
A2K-TDC-1M	NMEA 2000 Micro Cable Assembly 1 metre
A2K-TDC-5M	NMEA 2000 Micro Cable Assembly 5 metre
A2K-TDC-10M	NMEA 2000 Micro Cable Assembly 10 metre