



## A2K-BULK-100M Micro Bulk Cable Reel

UL certified, high quality cable available in 100 metre reels to create or extend an NMEA 2000<sup>®</sup> backbone...

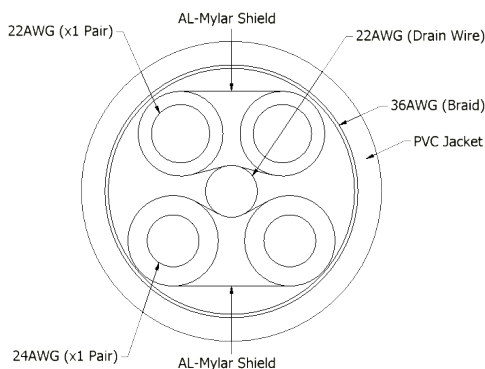
This cable can be used to create or extend an NMEA 2000<sup>®</sup> backbone of flexible lengths to suit any installation. The cable is ideal for use with the Actisense QNB-1 Quick Network Block and the QPD-1-GLA, Quick Power Drop.

The cable is UL certified to provide complete peace of mind for installers.

The Actisense range of NMEA 2000<sup>®</sup> connectors and cables has been designed using our specialist interconnect and NMEA knowledge. All Actisense products are NMEA 2000<sup>®</sup> certified and fully compatible with other NMEA 2000<sup>®</sup> connectors and devices.

The NMEA 2000<sup>®</sup> cable includes five wires within a single waterproof cable: power and ground wires, two signal wires and a drain wire. The drain wire connects to the cable shield which protects the signal, power and ground wires from external Radio Frequency Interference (RFI) and helps reduce RFI emission from the cable.

NMEA 2000<sup>®</sup> micro cable can be used to create a backbone up to 100 metres in length. If the backbone length required exceeds 100 metres, the centre of the bus can be extended with the NMEA 2000<sup>®</sup> mini cable to keep the outer micro sections to the 100 metre maximum.



Cable	
Braid Material	37 AWG tinned copper
Braid Coverage	65% minimum
Jacket Material	0.8mm Nom. PVC, black
Jacket Outer Diameter	6.85mm ±0.254mm
Voltage Rating	300V
(braid + tape + drain)	3.2Ω / 1000ft (10mΩ/M)
Reel Length	100m
Reel Weight (Gross)	7.26kg
Power Pair	
Conductor	22 AWG (19 strand tinned copper)
Insulation	0.3mm Nom. PVC
Diameter	1.43mm ±0.05mm
Colours	Red & black
Shield	AL Mylar tape over pair
DC Resistance	17.5Ω / 1000ft (57mΩ/M)
Max Current	4A
Data Pair	
Conductor	24 AWG (19 strand tinned copper)
Insulation	0.65mm Nom. foam PE
Diameter	2.0mm ±0.05mm
Colours	Blue & white
Shield	AL Mylar tape over pair
Impedance	120Ω ±10%
DC Resistance	28Ω / 1000 ft (92mΩ/M)
Attenuation @ 125 kHz	0.29dB / 100ft
Attenuation @ 500 kHz	0.50dB / 100ft
Attenuation @ 1 MHz	0.70dB / 100ft
Drain	
Conductor	22 AWG (19 strand tinned copper)
DC Resistance	17.5Ω / 1000ft (57mΩ/M)
Approvals and Certifications	
Operating Temperature	-25°C to +75°C
Storage Temperature	-40°C to +85°C
NMEA 2000 Certified, RoHS Compliant, UL Certified (E137250), (UL1277)	