

# Actisense®

Connect without limits



## A2K-BULK-MID-100M

### Mid Bulk Cable Reel

Low Smoke Zero Halogen (LSZH)  
high quality cable available in 100  
Metre reels to create or extend an  
NMEA 2000 Network

This cable can be used to create or extend an NMEA 2000® network of flexible lengths to suit any installation. The cable is ideal for use with any of the Actisense A2K Product range for building networks.

The cable is LSZH certified to give installers and end users maximum peace of mind and an extra layer of safety.

The Actisense range of NMEA 2000® connectors and cables has been designed using our specialist interconnectivity and NMEA knowledge. All Actisense cables and connectors are NMEA 2000® approved.

The NMEA 2000® 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® Mid cable can be used to create a backbone up to 250 metres in length, and offers current capacity of 4A with Micro connectors, or 8A with Mini connectors.

Cable	
Rated Voltage	60V DC
Rated Current	8A
Braid Material	37 AWG tinned copper
Braid Coverage	65% Nom.
Jacket Material	LSZH Purple (RAL4008)
Jacket Outer Diameter	8.2mm
Overall DCR (braid + tape + drain)	3.2Ω / 1000ft (10.5mΩ/m)
Reel Length	100m
Reel Weight	14Kg
Power Conductors	
Conductor	16 AWG (19 Tinned Stranded Copper)
Insulation	0.17mm Nom. LSZH
Diameter	1.85mm Nom.
Colours	Red & Black
Shield	AL Mylar tape over pair
DC Resistance	4.26Ω / 1000ft (14mΩ/m)
Data Conductors	
Conductor	20 AWG (19 Tinned Stranded Copper)
Insulation	0.79mm Nom. Foam PE
Diameter	2.49mm Nom
Colours	Blue & White
Shield	AL Mylar tape over pair
Impedance	120Ω ±10% @ 1MHz
DC Resistance	10.9Ω / 1000 ft (35.8mΩ/m)
Attenuation @ 125 kHz	0.29dB / 100ft
Attenuation @ 500 kHz	0.50dB / 100ft
Attenuation @ 1 MHz	0.70dB / 100ft
Drain Conductor	
Conductor	20 AWG (19 Tinned Stranded Copper)
DC Resistance	10.9Ω / 1000ft (35.8mΩ/m)
Approvals and Certifications	
Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +85°C
NMEA 2000® Approved	
RoHS Compliant	
UL Certified (E137250), (UL13)	
LSZH to IEC 60754-1/2 & IEC 61034-1/2	