



A2K-BULK-100M Micro Bulk Cable Reel

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

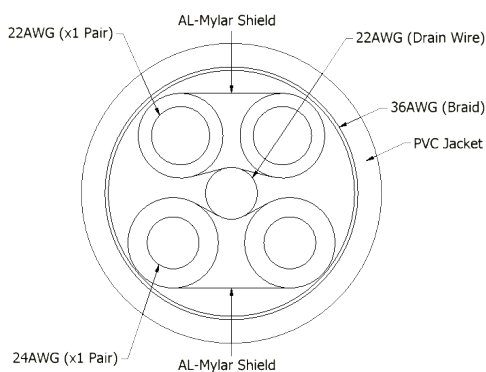
This cable can be used to create or extend an NMEA 2000® backbone of flexible lengths to suit any installation. The cable is ideal for use with the Actisense QNB-1 Quick Network Block and the QPD-1-GLA, Quick Power Drop.

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

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

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® 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® mini cable to keep the outer micro sections to the 100 metre maximum.



Issue 3.0

| Cable | |
|------------------------------------|----------------------------------|
| Rated Voltage | 60V DC |
| Rated Current | 3A |
| Braid Material | 37 AWG tinned copper |
| Braid Coverage | 65% minimum |
| Jacket Material | 0.8mm Nom. PVC, black |
| Jacket Outer Diameter | 6.85mm ±0.254mm |
| Overall DCR (braid + tape + drain) | 3.2Ω / 1000ft (10mΩ/M) |
| Reel Length | 100m |
| Reel Weight | 7.7kg |
| Power | |
| 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) |
| 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 Approved | |
| RoHS Compliant | |
| UL Certified (E137250), (UL1277) | |