

## NMEA 2000® Self-contained Boat Network



## The ideal solution for compact NMEA 2000® networks of up to eight devices.

Installing compact NMEA 2000® networks is now quicker and easier with the Self-contained Boat Network (SBN) from Actisense.

The SBN-2 is a cost effective, time and space saving solution to forming an NMEA 2000® network for up to eight devices. Termination resistors are built-in making the SBN-2 an entirely self-contained network.

Attach the three metre cable to the boat's power supply and an NMEA 2000® Network for up to eight devices is ready to use, taking Plug & Play to the next level.

Electrical         Rated Current       3A         Rated Voltage       60VDC         Internal Termination       2 x 120Ω 250mW         Mechanical       Phosphor bronze, 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         0-Ring Seal       Rubber, black         Housing       TPU (Halogen Free) over Epoxy filled PBT housing         Flammability Rating       UL94 V-0         Internal Housing Shield       Copper Foil         Cable Jacket Material       0.8mm Nom. PVC, orange         Cable Outer Diameter       6.8mm         Cable Length       3m         Wire Length       140mm (10mm stripped and tinned)         Wire Jacket       PVC, Red & Black         Power Wires       16 AWG         Shield (Drain) Wire       18 AWG         Cable Shield       Al-mylar         Weight       410g         Approvals and Certifications         NMEA 2000 Approved       ROHS Compliant         UL Certified Cable (E129757)         Protec		
Rated Voltage Internal Termination Resistors  2 x 120\Omega 250mW  Mechanical  Female Contact Contact Carrier PBT, black Contact Polarisation Mating Thread Screw Cap Brass, nickel plated O-Ring Seal Rubber, black TPU (Halogen Free) over Epoxy filled PBT housing Flammability Rating UL94 V-0 Internal Housing Shield Cable Jacket Material Cable Outer Diameter Cable Length Wire Length Wire Jacket PVC, Red & Black Power Wires 16 AWG Shield (Drain) Wire 18 AWG Cable Shield Al-mylar Weight Al Og Approvals and Certifications NMEA 2000 Approved RoHS Compliant UL Certified Cable (E129757) Protection IP67 (when mated)	Electrical	
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Resistors2 x 120Ω 250mWMechanicalFemale ContactPhosphor bronze, gold platedContact CarrierPBT, blackContact PolarisationStandard M12 -"A"- polarisationMating ThreadM12Screw CapBrass, nickel platedO-Ring SealRubber, blackHousingTPU (Halogen Free) over Epoxy filled PBT housingFlammability RatingUL94 V-0Internal Housing ShieldCopper FoilCable Jacket Material0.8mm Nom. PVC, orangeCable Outer Diameter6.8mmCable Length3mWire Length140mm (10mm stripped and tinned)Wire JacketPVC, Red & BlackPower Wires16 AWGShield (Drain) Wire18 AWGCable ShieldAl-mylarWeight410gApprovals and CertificationsNMEA 2000 ApprovedRoHS CompliantUL Certified Cable (E129757)ProtectionIP67 (when mated)	Rated Voltage	60VDC
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Contact Carrier Contact Polarisation Standard M12 -"A"- polarisation Mating Thread M12 Screw Cap Brass, nickel plated O-Ring Seal Rubber, black TPU (Halogen Free) over Epoxy filled PBT housing Flammability Rating UL94 V-0 Internal Housing Shield Cable Jacket Material Cable Outer Diameter Cable Length Wire Length 140mm (10mm stripped and tinned) Wire Jacket PVC, Red & Black Power Wires 16 AWG Shield (Drain) Wire 18 AWG Cable Shield Al-mylar Weight 410g  Approvals and Certifications NMEA 2000 Approved RoHS Compliant UL Certified Cable (E129757) Protection IP67 (when mated)		
Contact Polarisation  Mating Thread  M12  Screw Cap  D-Ring Seal  Rubber, black  TPU (Halogen Free) over Epoxy filled PBT housing  Flammability Rating  Internal Housing Shield  Cable Jacket Material  Cable Outer Diameter  Cable Length  Wire Length  Wire Jacket  PVC, Red & Black  Power Wires  Shield (Drain) Wire  Cable Shield  Al-mylar  Weight  Approvals and Certifications  NMEA 2000 Approved  RoHS Compliant  UL Certified Cable (E129757)  Protection  IP67 (when mated)		
Mating Thread  Screw Cap  O-Ring Seal  Rubber, black  TPU (Halogen Free) over Epoxy filled PBT housing  Flammability Rating  UL94 V-0  Internal Housing Shield  Cable Jacket Material  Cable Outer Diameter  Cable Length  Wire Length  Wire Jacket  PVC, Red & Black  Power Wires  16 AWG  Shield (Drain) Wire  Al-mylar  Weight  Approvals and Certifications  NMEA 2000 Approved  RoHS Compliant  UL Certified Cable (E129757)  Protection  IP67 (when mated)	Contact Carrier	PBT, black
Screw Cap  O-Ring Seal  Rubber, black  TPU (Halogen Free) over Epoxy filled PBT housing  Flammability Rating  UL94 V-0  Internal Housing Shield  Cable Jacket Material  Cable Outer Diameter  Cable Length  Wire Length  Wire Jacket  PVC, Red & Black  Power Wires  16 AWG  Shield (Drain) Wire  Cable Shield  Al-mylar  Weight  Approvals and Certifications  NMEA 2000 Approved  RoHS Compliant  UL Certified Cable (E129757)  Protection  IP67 (when mated)	Contact Polarisation	Standard M12 -"A"- polarisation
O-Ring Seal  Rubber, black  TPU (Halogen Free) over Epoxy filled PBT housing  Flammability Rating  UL94 V-0  Internal Housing Shield  Cable Jacket Material  Cable Outer Diameter  Cable Length  Wire Length  140mm (10mm stripped and tinned)  Wire Jacket  PVC, Red & Black  Power Wires  16 AWG  Shield (Drain) Wire  18 AWG  Cable Shield  Al-mylar  Weight  410g  Approvals and Certifications  NMEA 2000 Approved  RoHS Compliant  UL Certified Cable (E129757)  Protection  IP67 (when mated)	Mating Thread	M12
TPU (Halogen Free) over Epoxy filled PBT housing Flammability Rating UL94 V-0 Internal Housing Shield Cable Jacket Material Cable Outer Diameter Cable Length Wire Length 140mm (10mm stripped and tinned) Wire Jacket PVC, Red & Black Power Wires 16 AWG Shield (Drain) Wire 18 AWG Cable Shield Al-mylar Weight 410g  Approvals and Certifications NMEA 2000 Approved RoHS Compliant UL Certified Cable (E129757) Protection IP67 (when mated)	Screw Cap	Brass, nickel plated
Housing PBT housing  Flammability Rating UL94 V-0  Internal Housing Shield Copper Foil  Cable Jacket Material 0.8mm Nom. PVC, orange  Cable Outer Diameter 6.8mm  Cable Length 3m  Wire Length 140mm (10mm stripped and tinned)  Wire Jacket PVC, Red & Black  Power Wires 16 AWG  Shield (Drain) Wire 18 AWG  Cable Shield Al-mylar  Weight 410g  Approvals and Certifications  NMEA 2000 Approved  RoHS Compliant  UL Certified Cable (E129757)  Protection IP67 (when mated)	O-Ring Seal	Rubber, black
Internal Housing Shield Copper Foil Cable Jacket Material 0.8mm Nom. PVC, orange Cable Outer Diameter 6.8mm  Cable Length 3m  Wire Length 140mm (10mm stripped and tinned) Wire Jacket PVC, Red & Black Power Wires 16 AWG Shield (Drain) Wire 18 AWG Cable Shield Al-mylar Weight 410g  Approvals and Certifications  NMEA 2000 Approved RoHS Compliant UL Certified Cable (E129757) Protection IP67 (when mated)	Housing	, , , , , ,
Cable Jacket Material 0.8mm Nom. PVC, orange Cable Outer Diameter 6.8mm  Cable Length 3m  Wire Length 140mm (10mm stripped and tinned) Wire Jacket PVC, Red & Black Power Wires 16 AWG Shield (Drain) Wire 18 AWG Cable Shield Al-mylar Weight 410g  Approvals and Certifications  NMEA 2000 Approved RoHS Compliant UL Certified Cable (E129757) Protection IP67 (when mated)	Flammability Rating	UL94 V-0
Cable Outer Diameter 6.8mm  Cable Length 3m  Wire Length 140mm (10mm stripped and tinned)  Wire Jacket PVC, Red & Black  Power Wires 16 AWG  Shield (Drain) Wire 18 AWG  Cable Shield Al-mylar  Weight 410g  Approvals and Certifications  NMEA 2000 Approved  RoHS Compliant  UL Certified Cable (E129757)  Protection IP67 (when mated)	Internal Housing Shield	Copper Foil
Cable Length 3m  Wire Length 140mm (10mm stripped and tinned)  Wire Jacket PVC, Red & Black  Power Wires 16 AWG  Shield (Drain) Wire 18 AWG  Cable Shield Al-mylar  Weight 410g  Approvals and Certifications  NMEA 2000 Approved  RoHS Compliant  UL Certified Cable (E129757)  Protection IP67 (when mated)	Cable Jacket Material	0.8mm Nom. PVC, orange
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Wire Jacket PVC, Red & Black Power Wires 16 AWG Shield (Drain) Wire 18 AWG Cable Shield Al-mylar Weight 410g  Approvals and Certifications NMEA 2000 Approved RoHS Compliant UL Certified Cable (E129757) Protection IP67 (when mated)	Cable Length	3m
Power Wires 16 AWG Shield (Drain) Wire 18 AWG Cable Shield Al-mylar Weight 410g  Approvals and Certifications NMEA 2000 Approved RoHS Compliant UL Certified Cable (E129757) Protection IP67 (when mated)	Wire Length	140mm (10mm stripped and tinned)
Shield (Drain) Wire 18 AWG Cable Shield Al-mylar Weight 410g  Approvals and Certifications  NMEA 2000 Approved RoHS Compliant UL Certified Cable (E129757) Protection IP67 (when mated)	Wire Jacket	PVC, Red & Black
Cable Shield Al-mylar  Weight 410g  Approvals and Certifications  NMEA 2000 Approved  RoHS Compliant  UL Certified Cable (E129757)  Protection IP67 (when mated)	Power Wires	16 AWG
Weight 410g  Approvals and Certifications  NMEA 2000 Approved  RoHS Compliant  UL Certified Cable (E129757)  Protection IP67 (when mated)	Shield (Drain) Wire	18 AWG
Approvals and Certifications  NMEA 2000 Approved  RoHS Compliant  UL Certified Cable (E129757)  Protection IP67 (when mated)	Cable Shield	Al-mylar
NMEA 2000 Approved  RoHS Compliant  UL Certified Cable (E129757)  Protection IP67 (when mated)	Weight	410g
RoHS Compliant  UL Certified Cable (E129757)  Protection IP67 (when mated)	Approvals and Certifications	
UL Certified Cable (E129757) Protection IP67 (when mated)	NMEA 2000 Approved	
Protection IP67 (when mated)	RoHS Compliant	
	UL Certified Cable (E129757)	
Operating Temperature -20°C to +70°C	Protection	IP67 (when mated)
	Operating Temperature	-20°C to +70°C





