

Products Focus

NMEA 2000



Series	Spec.	Pin #	Current Rating	Operating Temperature
Micro		5P	4A	Receptacle -40°C~85°C
Mini		4P~5P	8A	Overmolded Cable PVC -20°C~80°C PUR -20°C~85°C Field Installable -40°C~105°C



NMEA 2000 Starter Kit



HPC-B-001 (Plastic) HMC-B-001 (Metal) HPC-P-001 (Plastic) HMC-P-001 (Metal)

Basic Package

- Drop Cable (2M) x 1
- Terminator Male x 1
- Terminator Female x 1
- T-Connector x 2
- T-Cable (2M) x 1

Pro Package

- T-Connector x 2
- Multiple Tee Connector x 2
- Terminator Male x 1
- Terminator Female x 1
- Drop Cable (2M) x 1
- Drop Cable (5M) x 1
- Drop Cable (10M) x 1

X-Lok



Size	Spec.	Pin #	Current Rating	Operating Temperature
Mini (A Size)		2P~8P	2A~12A	Receptacle -40°C~105°C
Standard (B Size)		2P~8P	5A~10A 10A+5A	Overmolded Cable Date -20°C~80°C Power -20°C~105°C Hybrid -40°C~105°C
Middle (C Size)		2P~12P	5A~20A 10A+5A	Field Installable -40°C~105°C
Large (D Size)		2P~18P	5A~20A 20A+5A	Field Installable -40°C~105°C



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DVI / HDMI / D-Sub



Series	Spec.	Pin #	Current Rating	Operating Temperature
DVI		19P~29P	1.5A	Receptacle -20°C~80°C
HDMI		19P	0.5A	Overmolded Cable -20°C~80°C
D-Sub Standard		9P~50P	5A	Receptacle -40°C~105°C
D-Sub High Density		15P~78P	2A	Overmolded Cable -20°C~80°C Field Installable -40°C~105°C



FICX / Cable Gland



Type	Spec.	Pin #	Current Rating	Operating Temperature
PG11 / UL11		2P~5P	10A~20A	-40°C~105°C
PG12 / UL12			8A~20A	
PG13 / UL13			8A~20A	
PGT2 / ULT2			10A~20A	
M20		4P	10A~30A	-40°C~105°C
M32		4P	10A~30A	
Cable Gland		NA	NA	



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For further information, please contact:
Luc Kan
Email: luc@ltw-tech.com

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Amphenol LTW Marine Market

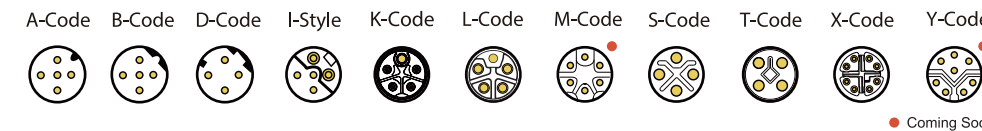


Products Focus

M Series



Size	Spec.	Pin #	Current Rating	Operating Temperature
M8 / G8		2P~6P	1.5A~3A	Receptacle -40°C~105°C Overmolded Cable PVC -20°C~80°C PUR -20°C~85°C Field Installable -40°C~105°C
M10.5		2P~5P	2A	
M12 A Code		2P~12P	1.5A~4A	
M12 B Code		3P~5P	4A	
M12 D Code		3P~5P	4A	
M12 I Code		5P	4A	
M12 S & T Code		4P	12A	
M12 X Code		8P	0.5A	
M12 K & L Code		5P	12A(16A)	
M20		2P~14P	5A~20A	
M23		6P	28A	



Ceres



Size	Spec.	Pin #	Current Rating	Operating Temperature
Mini (A Size)		2P~6P	2A~5A	Receptacle -40°C~105°C Receptacle W/ Wires -20°C~80°C Overmolded Cable -20°C~80°C Field Installable -40°C~105°C
Standard (B Size)		2P~12P	2A~10A 5A+2A 10A+5A	
Middle (C Size)		2P~18P	2A~20A 5A+2A 10A+5A 10A+2A	
Large (D Size)		2P~22P	2A~20A 20A+2A 20A+5A	
Macro (E Size)		31P	5A	
Others		2P~7P	5A~10A 10A+5A	



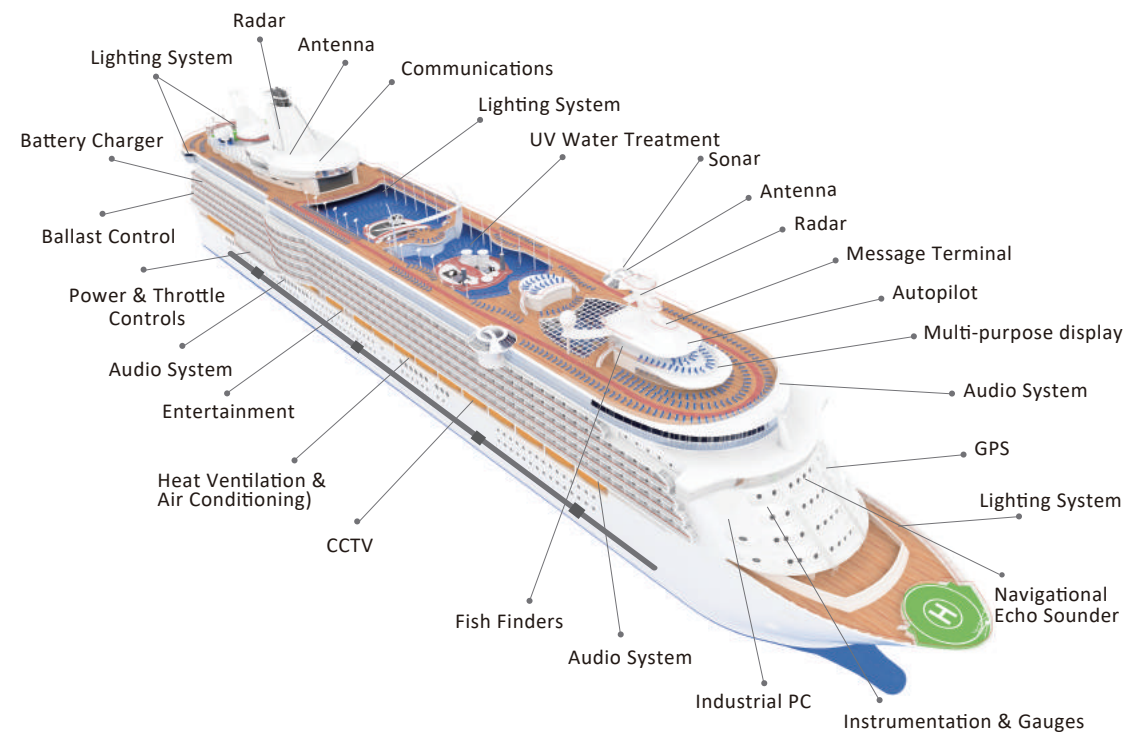
<http://www.amphenolltw.com>

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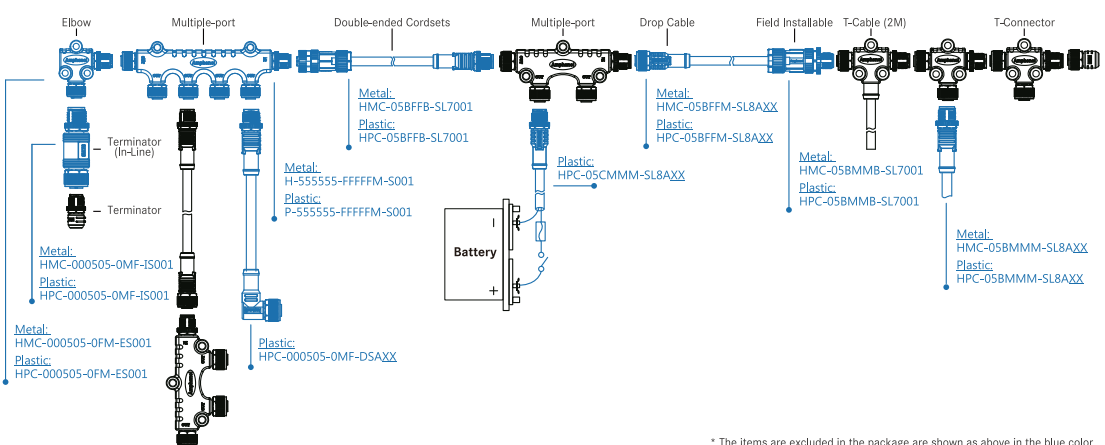
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Products Focus

Amphenol LTW Technology Co., Ltd.



NMEA 2000 Network System



* The items are excluded in the package are shown as above in the blue color.

Products Application

Amphenol Corp is the world's leader in interconnects solutions and your ideal choice for marine electronic and electrical equipment. From motors, engines, transducer, radar, echo-sounder, fish finder, deep sea vessels autopilot, chart plotter, VHF, satellite radio and communication devices, multimedia displays, security systems, electrical systems, entertainment systems, HVAC to LED lighting... you can always find suitable products and solutions. Whether you build small boats, yachts, fishing boats, commercial ships, tankers, LNG ships, ferries, cruises... Amphenol LTW Intelligent Pre-Cabling Systems (IPCS) not only can solve your needs for electrical and electronic cabling system but most importantly helps you CUT and SAVE from 30% to 90% of your installation TIME and COST.

Applications	NMEA 2000	M Series	Ceres	RJ45	X-Lok	HS-Lok	USB	DVI	D-Sub	HDMI	Vent	FICX (Cable Joiner)	Cable Gland
Multi Function Display	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		
Outboard Motor	✓	✓	✓		✓								✓
Bilge Pump	✓	✓	✓		✓								✓
Heater	✓	✓	✓	✓	✓	✓					✓	✓	✓
Heat Ventilation and Air Conditioning	✓	✓	✓	✓	✓	✓					✓	✓	✓
Fridge	✓	✓	✓		✓	✓							
Docking System	✓	✓	✓		✓								✓
Windlass	✓	✓	✓		✓								✓
Sensors	✓	✓	✓		✓								
Sonar	✓	✓	✓		✓								
GPS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Radar	✓	✓	✓	✓	✓	✓	✓						
Antenna	✓	✓				✓							
USB Charger	✓	✓	✓		✓	✓	✓					✓	
Audio System	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
Lighting System	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
CCTV	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	
Power Controller	✓	✓	✓		✓						✓	✓	✓
Autopilot System	✓	✓	✓		✓				✓	✓	✓	✓	✓
Automatic Identification System	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓

Amphenol LTW Technology Co., Ltd.

Products Focus



RJ 45

Spec.	Transmission Speed	POE	Operating Temperature
Cat. 5e	Up To 1Gbps	60W/2A	Receptacle -20°C~80°C Overmolded Cable -20°C~80°C
Cat. 6A	Up To 10Gbps	N/A	Field Installable -40°C~105°C Coupler -40°C~105°C



HS-Lok

Type	Spec.	Pin #	Current Rating	Operating Temperature
Q8D			5A	-40°C~105°C
Q8U		2P~6P	2A	
Q8DU			5A+2A	

Vent

Series	Spec.	Membrane	Material	Operating Temperature
M6x0.75		Hydrophobic Oleophobic	Thermoplastic	-40°C~125°C
M12x1.5			Metal Stainless Thermoplastic	
Snap-in			Thermoplastic	

USB

Spec.	Transmission Speed	Current Rating	Operating Temperature
USB 2.0 (Type A / B)	Up To 480Mb/s	1.5A	Receptacle PA:-20°C~105°C M-PPE:-40°C~105°C ABS:-20°C~80°C
USB 3.0 (Type A)	Up To 5Gbps	1A	
Mini USB (Type B)	Up To 480Mb/s	1.5A	Receptacle W/ Wires PA:-20°C~105°C ABS:-20°C~80°C
Micro USB (Type AB)	Up To 480Mb/s	1A/1.8A	Overmolded Cable -20°C~80°C
USB 3.1 (Type C)	Up To 10Gbps	3A~5A	