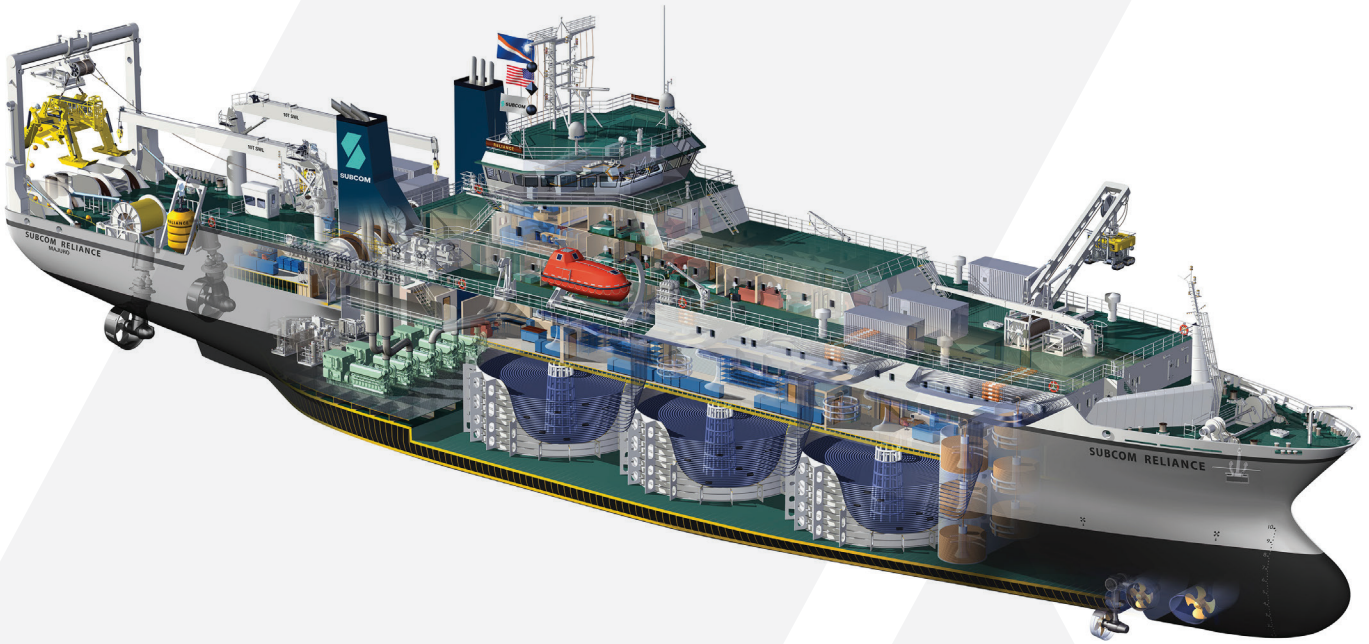




RELIANCE CLASS

VESSEL SPECIFICATIONS

The six “Reliance Class” vessels are the heart of the SubCom cable ship fleet. Specifically designed and constructed for cable maintenance and construction, these are the most versatile cable ships in the industry.

At 140 meters in length, these powerful, dynamically positioned vessels are capable of sustained cable operations in harsh weather conditions. Each vessel is outfitted with a cable trenching remotely operated vehicle (ROV) and either a 1.5 meter or 3 meter burial depth capable seaplow system. VSAT communications equipment ensures that broadband connectivity is available to her crew while the vessel is deployed. The unique arrangement of twin cable drums and a linear cable engine provides the redundancy and flexibility to install and repair any existing cable system.

Our crews are comprised of highly trained and experienced merchant mariners, submersible engineers, and cable operations staff. In addition to typical cable construction and maintenance activities, these ships provide excellent platforms for trenching, mattresses, and salvage operations.

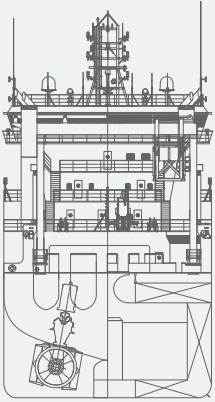
SubCom engineers, manufactures, and installs subsea fiber optic data cables - the unsung heroes of global communication. With an unrelenting focus on quality, reliability, and value, SubCom offers flexible end-to-end building blocks for the high-tech networks that are the backbone of the world's digital infrastructure. While the company's origins date back to the mid-19th century, SubCom has deployed enough cable to circle the equator more than 25 times since its entry into the communications industry in 1955.

Our Reliance Class Cable Ship Fleet

SubCom Reliance
SubCom Dependable
SubCom Responder
SubCom Decisive
SubCom Resolute
SubCom Durable

RELIANCE CLASS

VESSEL SPECIFICATIONS



General Specifications

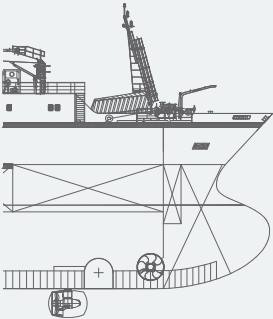
• YEARS BUILT	2001 – 2003
• RANGE	25,000 nautical miles or 60 days
• ACCOMMODATIONS	80 personnel (crew and passengers)
• SERVICE SPEED	13.9 knots
• LENGTH OVERALL	139.1 m (456 ft)
• MOLDED BEAM	21.0 m (69 ft)
• SUMMER DRAFT	8.4 m (26.88 ft)
• GROSS REGISTERED TONNAGE	12,184 MT
• DEADWEIGHT	9,200 MT
• CLASSIFICATIONS (ABS)	+A1, E, +ACCU, +AMS, +DPS-2, NBLES

Vehicle Support

• ROV	Perry Slingsby Systems ST200 (150 kW) or SMD CMROV (300 kW) rated to 2500 MWD
• SEA PLOW	Various sea plow systems manufactured by SMD and IHC EB supported by an ODIM 60MT towing traction winch on Reliance and an 80MT winch on Dependable, Responder, Resolute, Durable and Decisive

Capacities

• CABLE CAPACITY (TOTAL)	5465.5 MT (3 tanks, 1822 MT to 2947.7 MT max. per Tank) liquid load dependant
• CABLE CAPACITY VOLUME	3415.8 m ³ (1138.6 m ³ max. per Tank)
• ROPE TANK CAPACITY	144 MT
• FRESH WATER	446 MT
• FUEL OIL	3076 MT
• WATER BALLAST	4651 MT
• AUTOMATION CONTROL	S.V.C.
• SOFTWARE TOOLS	WinFrog, Makai
• MINIMUM LAY CABLE BEND RADIUS	1.5 m
• REPEATER MAXIMUM DIAMETER	380 mm
• MAXIMUM SIZE OF SPLICE BOX IN THE SHARE	150 mm
• CABLE DIAMETER	15 – 150 mm
• MAXIMUM SIDE SLOPE OF THE SEABED	20°
• MAXIMUM UP / DOWN SLOPE OF THE SEABED	30°

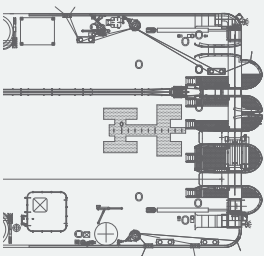


Propulsion & Maneuvering Equipment

• TYPE	Rolls-Royce Diesel Electric Generating Set
• MAIN ENGINES	5 × KRGB-9 Ulstein Bergen 1990 kW each
• FWD BOW THRUSTER	1 × Ulstein – 1700 kW / 0 – 900 rpm
• SWING DOWN THRUSTER	1 × Ulstein – 1700 kW / 0 – 1800 rpm
• AZIMUTHING STERN THRUSTERS	2 × Ulstein – 3100 kW / 0 – 720 rpm
• DYNAMIC POSITIONING	Kongsberg Simrad SDP 22 DP, Dual Redundant System

Cable Handling Equipment

• AMPLIFIER STORAGE	150 bodies in climate controlled environment
• STERN LINEAR CABLE ENGINE	1 × ODIM, 20 wheel pair, and 16 ton capacity / Cable speed: 0–8 knots
• STERN DRUM CABLE ENGINES	2 × ODIM cantilever mounted, 4.0 meter diameter drum; 30 ton lifting capacity
• DYNAMOMETERS	3 × WAMAC Roller Type and Load Cells
• DRAW OFF / HOLD BACK	2 × ODIM, 4 wheel pair, 4 ton capacity
• STERN SHEAVES	1 × 30 ton, Ø3.5 m, 0.6 m 2 × 50 ton, Ø3.5 m, 1.15 m 80 ton sheave, 46 mm towing wire
• A-FRAME	1 × 60 ton box beam construction
• DECK CRANES	2 × 10 ton SWL (port, stbd) Dreggen Crane Type DKT300–10–25M
• BUOY HANDLING DAVITS	2 × 10 ton, suitable for steel or modular buoys
• CABLE CONTROL & DATA INSTRUMENTATION SYSTEM	Honeywell – fully integrated with ODIM System



Data provided for comparison purposes only. Complete system specifications available on request.