



SOVEREIGN Cablelaying vessel



Owner British Telecom
Yard number 956

Dimensions

Length overall 130.1m
Length between perpendiculars 106.94m
Breadth 21m
Depth main deck 9.5m
Deck 5 13m
Design draught 5.9m
Scantling draught 7m

Deadweight

Deadweight at design draught 5,600 tonnes
Deadweight at scantling draught 7,450 tonnes

Speed

Service speed at design draught 14.4 knots
Propulsion power for service speed at 85% MCR, sea margin 15%

Cable machinery

- two 3.5m hydraulic motor driven drum engines
- two 4 wheelpair draw off/hold back engines
- one 4m drum engine
- one 6 wheelpair draw off/hold back engine.

Sheaves

- one stern sheave for cablelaying, diameter 3m
- one plough towing sheave
- one umbilical chute
- two bow sheaves, diameter 3m.

Work space

Area partly sheltered work deck 950m²
Area open work deck 500m²



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Tank capacities

Marine diesel oil	1,506m ³
Ballast water	2,307m ³
Potable water	726m ³

Thrusters

Bowthrusters	2x 900kW
Azimuth units with fixed pitch propeller	2x 2,500kW
Maximum bollard pull 80 tonnes with 0.5 knots forward speed	

Stabilising system

One passive stabilising tank

Lifting gear

<i>One telescopic crane</i>	
Safe working load	5mt
Radius	20m
<i>Five cranes</i>	
Safe working load	5mt
Radius	12m

Two provision cranes

Safe working load	2mt
Radius	6m

Acomodation (all cabins with own private facilities)

Captain class	4 cabins	4 people
Officer	20 cabins	20 people
Crew (single)	5 cabins	5 people
Crew (double)	8 cabins	16 people
Total accomodation	37 cabins	45 people

Main engines

<i>Two diesel generator sets</i>	
Maximum output	3,360kW
Engine speed	750rpm

One diesel generator sets

Maximum output	4,485kW
Engine speed	750rpm

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