

# Oceanus ROV System – Accessories

## Tether Cable

A00034 ROV Accessories-Tether Cable-PR1

**Tether Cable connects the ROV to the Topside Control Case and provides communications, video, and an auxiliary pair of independent conductors for an accessory use if available.**

The Tether Cable consists of conductors, an aramid strength member, flotation material, and an outer jacket.

It is available in two types: Negative and Neutral.

Neutral tether is neutrally buoyant in water because of the flotation material and has a larger diameter than the negative tether. Negative tether sinks and is typically used as an extension cord for long deck runs or deep water usage.

All MarineNav Tether Cable segments can be connected to a horizontal distance of 300 meters (1000 ft). Vertical distance is limited to the submersibles depth rating:

100 meters (328 feet) for the Oceanus Hybrid.

305 meters (1,000 ft) for the Oceanus Pro.

MarineNav typically delivers tether segments in the following lengths.

**Neutral Performance Buoyant Tether:**

50 m (164 ft), 75 m (246 ft), 100 m (328ft),

150 m (492 ft), Custom.

**Negatively Buoyant Tether:**

10 m (32.8 ft), 50m (164 ft), 75 m (246 ft),

100m (328ft), 150m (492 ft).

*Custom lengths are available upon request.*

## Rules For Multiple Tether Cable Segment Connections:

- *If using Negative tether in combination with Neutral tether, the neutral must be the segment connected directly to the submersible.*
- *Always connect the metal strain relief clips at all connection points to avoid separation and loss of the ROV.*

*While we strive to ensure the accuracy of all items and descriptions in this document, this is not always possible. Specifications, options, and availability subject to change with out notice. Errors and omissions excepted. We reserve the right to limit quantities.*



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Panmure Island Rd  
Panmure Island, PE COA 1R0  
902 838-7011  
www.marinenav.ca