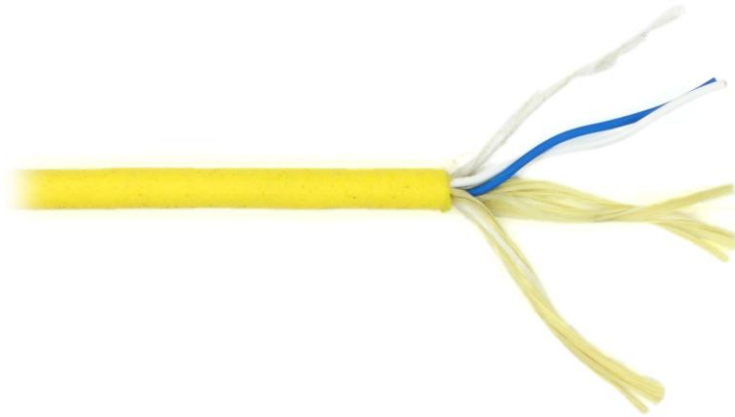




Fathom Slim Tether



Introduction

The Fathom Slim Tether is a high quality tether cable designed specifically for ROVs and other subsea applications. It is neutrally buoyant, has 300+ lb breaking strength, and is embedded with water-blocking fibers to seal any leaks. The tether has a diameter of 4.0mm and is much slimmer than the vast majority of comparable ROV tethers.

This tether is ideal for travel, deep dives, and long distance dives where size and drag are paramount.

Quick Start

1. Prepare the ends of your tether for use as shown in the [installation tutorial](#).
2. Be sure to tin the ends of the conductors prior to installing the tether into your vehicle.
3. Firmly attach the tether to your vehicle by following the [strain relief tutorial](#) or some other method that prevents the tether from pulling directly on the tether penetrator. The tether can twist the penetrator loose if you do not provide strain relief.

Specifications

Specification Table

Physical

Item	Value	
Tether Diameter	4.0 mm	0.16 in
Weight	0.012 kg/m	0.00805 lbs/ft
Buoyancy in Freshwater	Neutral	
Buoyancy in Saltwater	Slightly Positive	
Wire Gauge	26 AWG	
Working Strength	35 kg,	80 lb,
Breaking Strength	155 kg,	350 lb,



Physical

Minimum Working Bend Diameter	25 mm	1 in
Jacket Material	Polyurethane Foam	

Electrical

Item	Value	
DC Resistance @ 20°C	0.0445 Ω / ft	0.146 Ω / m
Voltage Rating (Twisted Pair)	300 VDC	

Twisted Pairs

Pair 1	Wire 1	Wire 2
	White	Blue

Section View

