



Precision Wound Spools

Tangle Free

Internal Deployment



PRECISION WOUND SPOOLS

These precision-wound optical fiber packs are designed for use in such critical applications as submarine-launched buoys, underwater munitions and terrestrial robots to provide a capability for two-way, high-bandwidth communications.



Our standard spools are made from either Strong Tether Fiber Optic Cable (STFOC) - with a >50 lbs breaking strength and slim 0.03" OD - or bare optical fiber. These spools are designed with one twist per turn of cable so no kinking issues develop as a result of rapid payout. Fiber pays out from the inside of the spool so spool remains stationary during deployment. Both come standard as singlemode or can be modified with multimode fiber.

STANDARD SPOOL SIZES – STFOC Cable

Spool ID	Spool OD	Spool Length	Cable Length	P/N
0.75"	3"	6"	800m	1-3-A-8.5-27-B-1.5-30-0.75-3-6
1.5"	3.7"	10"	3km	1-3-A-8.5-27-B-1.5-30-1.5-3.7-10
5"	10"	8"	14km	1-3-A-8.5-27-B-1.5-30-5-10-8

STANDARD SPOOL SIZES – Bare Fiber

Spool ID	Spool OD	Spool Length	Cable Length	P/N
0.75"	3"	6"	10km	1-3-N1-0.75-3-6
1.5"	3.7"	10"	22km	1-3-N1-1.5-3.7-10

Custom Spools

In addition to our standard, cost efficient precision wound spools, we are able to leverage our quality team of engineers to design and build custom spools with specialty fiber or cable in custom sizes to meet your exacting requirements. Some of our custom design capabilities include;

- Externally deployable spools
- Buoyant cables
- High strength cables
- Specialty optics
- Custom Sizes
- Custom designed canisters



Contact your local Linden Photonics Representative for more information