



μlinx® FIBER OPTIC CABLES
Tether

FIBER OPTIC CABLE SOLUTIONS FOR UNMANNED VEHICLES

High strength, light weight, abrasion resistant and flexible.

OFS | WWW.OFSOPTICS.COM
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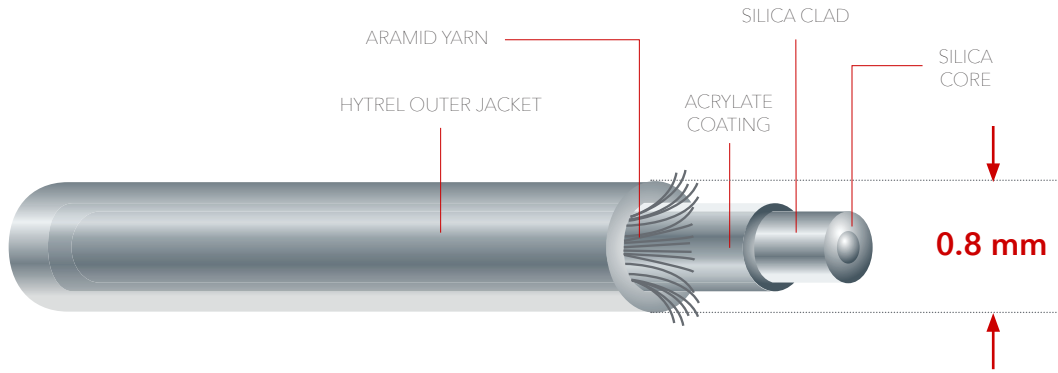


μlinx® Fiber Optic Cables

Tether

OFS Micro-Links (μlinx) Tether Fiber Optic Cables are designed to be high strength, low weight, abrasion resistant, and flexible, making them ideal for use as unmanned vehicle tethers. With an OD of only 0.8 mm (0.03") they are the approximate thickness of a credit card yet contain aramid strength members for enhanced performance in tactical applications. Constructed

with acrylate-coated fibers followed by aramid yarn, the outer jacket is an abrasion resistant Hytrel® that makes for a cable that is both highly durable and flexible. This small but tough micro cable is available with single-mode, 50 μm OM4 multimode, or 62.5 μm multimode fiber. For high temp applications, see our μlinx Avionics Fiber Optic Cables.



μlinx Tether Cables			
PRODUCT NAME	μlinx SM - Tether	μlinx 50 OM4 - Tether	μlinx 62.5 - Tether
Core size	NA	50 μm	62.5 μm
Mode Field Diameter	8.5 - 9.3 μm @ 1310 nm 9.5 - 10.5 μm @ 1550 nm	NA	NA
Attenuation	≤ 0.7 dB/km @ 1310 nm ≤ 0.4 dB/km @ 1550 nm	≤ 5.0 dB/km @ 850 nm ≤ 3.0 dB/km @ 1300 nm	≤ 5.0 dB/km @ 850 nm ≤ 3.0 dB/km @ 1300 nm
Clad/Coating OD, Material	125/245 μm, Acrylate	125/245 μm, Acrylate	125/245 μm, Acrylate
Cable Diameter	0.8 ± 0.05 mm	0.8 ± 0.05 mm	0.8 ± 0.05 mm
Outer Jacket	Hytrel	Hytrel	Hytrel
Strength Member	Aramid yarn	Aramid yarn	Aramid yarn
Cable Weight	≤ 0.7 kg/km	≤ 0.7 kg/km	≤ 0.7 kg/km
Operating/Storage Temp	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C
Min Bend Radius Operation	8 mm (0.31")	8 mm (0.31")	8 mm (0.31")
Min Bend Radius Installation	12 mm (0.47")	12 mm (0.47")	12 mm (0.47")
Tensile Load Installation	75N (16.9 lbs)	75N (16.9 lbs)	75N (16.9 lbs)
Tensile Load Operating	29N (6.5 lbs)	29N (6.5 lbs)	29N (6.5 lbs)
Order by Part Number	C24771	C26491	C25927

Typical Applications: Rough terrain • reliable data link for unmanned vehicles (aerial, ground and underwater).

NOTE: The operating temperature ranges are general guidelines. Consult with our Technical Sales department to determine the optimal coating and jacketing material for your specific application. 1.860.678.6636. Customized designs available upon request.

For additional information please contact your sales representative.

You can also visit our website at www.ofsoptics.com
or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



For a full list of our certifications, visit our website.



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