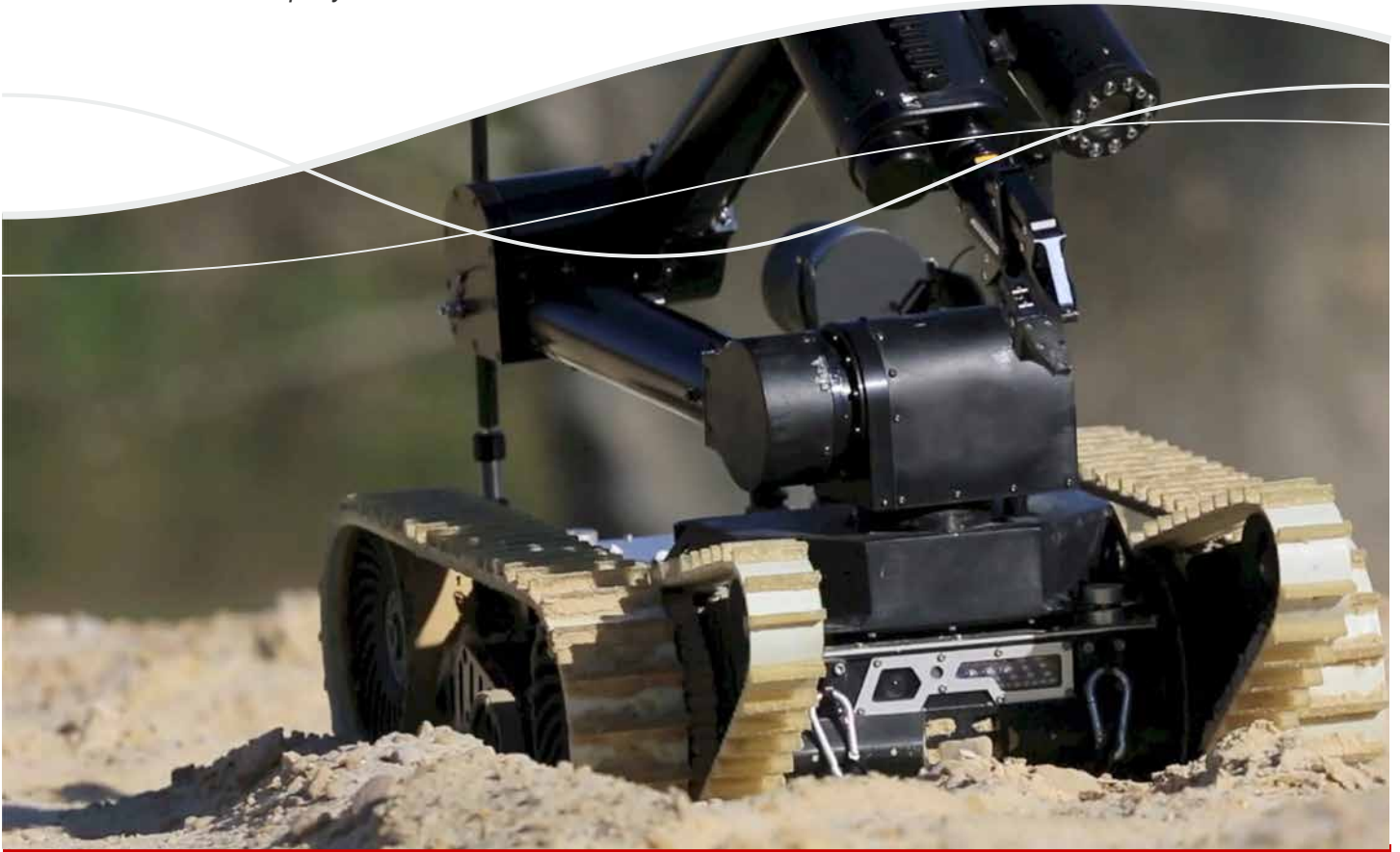




A Furukawa Company

µlinx® Fiber Optic Cables

Tether



www.ofsoptics.com

FIBER OPTIC TETHER SOLUTIONS FOR UNMANNED VEHICLES

- High strength
- Light weight
- Abrasion resistant
- Flexible



SEDI-ATI detwisted fiber optic coil packages for UGV (Unmanned Ground Vehicles) fiber tether allowing video and control communications. ROV (Remotely Operated Vehicles) spools also available.

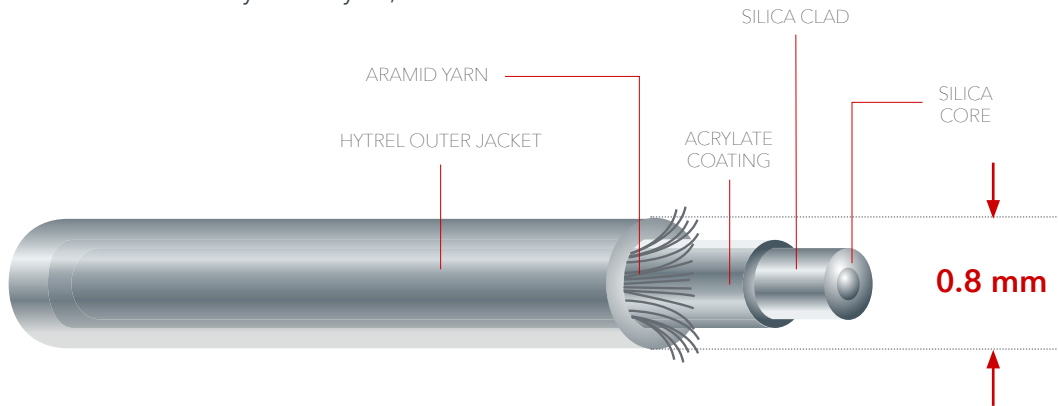
OFS µlinx fiber optic cable inside.

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 OM3 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 OM3 - 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	≤ 1.0 dB/km @ 1310 nm ≤ 0.8 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		
Cable Diameter	0.8 ± 0.05 mm		
Outer Jacket	Hytrel		
Strength Member	Aramid yarn		
Cable Weight	≤ 0.7 kg/km		
Operating/Storage Temp	-40 to +85 °C		
Min Bend Radius Operation	8 mm (0.31")		
Min Bend Radius Installation	12 mm (0.47")		
Tensile Load Installation	75N (16.9 lbs)		
Tensile Load Operating	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.



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