



A Furukawa Company

µlinx® Fiber Optic Cables
Avionics



www.ofsoptics.com

FIBER OPTIC CABLE SOLUTIONS

FOR MANNED AND UNMANNED AVIONICS

High strength

High reliability

Light weight

Wide temperature performance

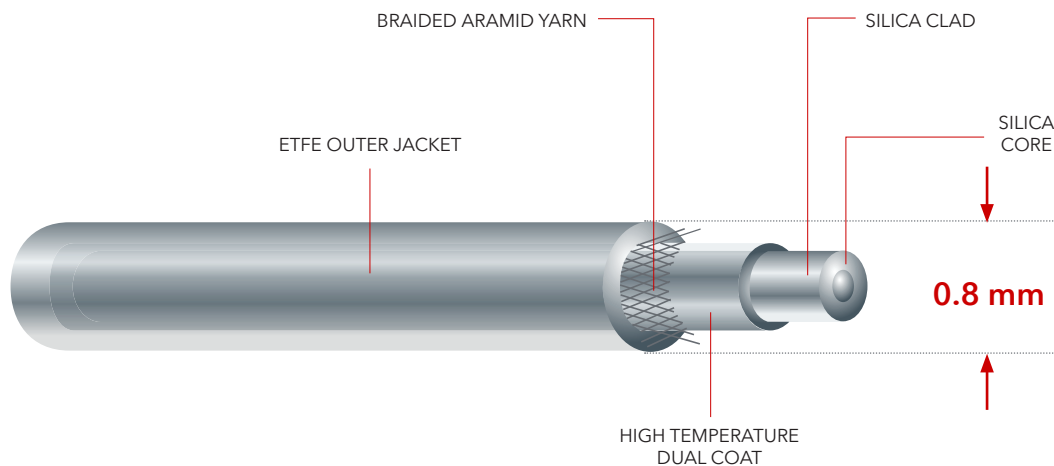
μlinx® Fiber Optic Cables

Avionics

OFS Micro-Links (μlinx) Avionics Fiber Optic Cables are designed to offer optimal performance in the avionics environment where high strength, high reliability, light weight and wide temperature performance (-65 to 150 °C) are absolutely necessary. μlinx cables have an outer diameter of only 0.8 mm (0.03") the approximate thickness of a credit card, and weight just 0.7 grams/m. The high temperature dual coated fiber is braided with aramid yarn for high strength and jacketed with ETFE for abrasion and chemical resistance. μlinx cable has passed the FAR

25.896 60° burn test, and the Boeing flame, smoke, and toxicity tests defined in ARINC 802.

OFS has a long history of manufacturing fiber and cables for military and commercial aircraft and recommends μlinx Avionics Fiber Optic Cables for communication systems on manned and unmanned aircraft. μlinx Avionics Fiber Optic Cables are available in bend optimized single-mode, 50 μm OM3 multimode, or 62.5 μm multimode graded-index fiber designs.



FIBER OPTIC CABLE SOLUTIONS

FOR UNMANNED AVIONICS ENVIRONMENTS

μlinx Avionics Cables			
PRODUCT NAME	μlinx SM - Avionics	μlinx 50 OM3 - Avionics	μlinx 62.5 - Avionics
Core size		50 μm	62.5 μm
Mode Field Diameter	8.5 - 9.3 μm @ 1310 nm 9.5 - 10.5 μm @ 1550 nm		
Attenuation	≤ 0.8 dB/km @ 1310 nm ≤ 0.5 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	High temperature 125/250, High Temperature Dual Coat		
Cable Diameter	0.8 ± 0.05 mm		
Outer Jacket	High temperature ETFE		
Strength Member	Braided aramid yarn		
Cable Weight	≤ 0.75 kg/km (0.50 lb/kft)		
Operating Temp	-65 to +150 °C		
Storage Temp	-40 to +85 °C (Limited by spool)		
Min Bend Radius Operation	8 mm (0.31")		
Min Bend Radius Installation	12 mm (0.47")		
Tensile Load Installation	100N (22.5 lbs)		
Tensile Load Operating	38N (8.5 lbs)		
Order by Part Number	C60697	C26490	C25821

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-FIBER-HELP (1-888-342-3743) from inside the USA
or +1-770-798-5555 from outside the USA.
EMEA Specific: +49 (0) 228 7489 201



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Marketing Communications

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