

## Avioptics® Harsh Environment 200 μm HCS® Fiber Optic Cable

P/N: AC02201-10



### Overview

With more than 35 years of experience manufacturing fiber optic products for the aerospace and defense markets, OFS is proud to offer a wide range of specialty solutions that meet stringent industry standards. We work to help ensure optimal quality, reliability, and safety to streamline and facilitate complex, sensitive operations.

OFS Avioptics incorporates 200 μm HCS fiber and has an ETFE outer jacket to withstand exposure to corrosive and other chemicals, including jet fuel, oil, solvents, and hydrolytic liquids. It is designed for use in high-performance aircraft and military vehicles.

Avioptics cable is compatible with connectors and/or termini designed for tight jacket construction cables.

### Typical Applications

- Aircraft Sensors
- Communication Systems
- Corrosive Chemical Environments
- Data Transmission
- High Temperature Environments
- Land Vehicle Wire Harnesses
- Laser Initiation
- Laser Power Delivery
- Spectroscopy



A Furukawa Company

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Product Specifications	
Product Description	Avioptics Harsh Environment Multimode Step-Index 200 µm HCS Cable
Physical Characteristics	
Cable Construction	Multimode Step-Index Simplex
Fiber Core Diameter	200 ± 4 µm
Fiber Clad Diameter	230 ± 10 µm
Buffer Diameter	500 ± 30 µm
Buffer Material	ETFE
Outer Cable Diameter	1.8 ± 0.1 mm
Cable Weight	4.0 kg/km
Outer Jacket Material	ETFE
Outer Jacket Color	Violet
Optical Characteristics	
Attenuation @ 850 nm	≤ 8 dB/km
Mechanical and Environmental	
Installation Load (Maximum)	100 lb. (445 N)
Operating Load (Maximum)	30 lb. (133 N)
Minimum Bend (Installation)	25 mm
Minimum Bend (Operating)	10 mm
Operating Temperature	-65 to +125 °C
Storage Temperature	-65 to +85 °C
Flammability: FAR 25.869	Extinguish Time: 0 seconds; Maximum Burn Length: < 1.9 inches
Order by Part Number	AC02201-10
Product Description Code	HCP-M0200T-D01FS
<b>NOTE:</b> 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.	

For additional information please contact your sales representative.

You can also visit our website at [www.ofsoptics.com](http://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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