



A Furukawa Company

## Simplex 2.5 mm Step-Index 200 $\mu\text{m}$ HCS<sup>®</sup> Riser Fiber Optic Cable

P/N: AC01281-10



### Overview

OFS 2.5 mm HCS fiber cables are designed primarily for industrial data-communication applications. Taking advantage of the durability and toughness of HCS optical fibers, these tight-buffer cables surround the fiber with high-strength aramid yarn and are protected with a tough 2.5 mm diameter PVC jacket.

### Typical Applications

- Factory Automation
- Industrial Communications
- Laser Power Delivery
- Near-IR Spectroscopy
- Riser Installations



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Product Specifications	
Product Description	Simplex 2.5 mm Step-Index 200 µm HCS Riser Fiber Optic Cable
Physical Characteristics	
Construction	Simplex
Numerical Aperture	0.37
Fiber Core Diameter	200 ± 4 µm
Outer Cable Diameter	2.5 mm
Cable Weight	6.5 kg/km
Outer Jacket Material	PVC
Outer Jacket Color	Orange
Flammability Rating	UL-1666 (Riser)
Crimp & Cleave Compatibility	SMA Connectors, ST Connectors
Optical Characteristics	
Type	Multimode Step-Index
Attenuation @ 850 nm	≤ 6 dB/km
Fiber Specifications	CF01493-10, 200 µm HCS 0.37 NA Low OH Optical Fiber
Mechanical and Environmental	
Installation Load (Maximum)	110 lb. (489 N)
Operating Load (Maximum)	55 lb. (245 N)
Minimum Bend Installation	38 mm
Minimum Bend Operating	25 mm
Operating Temperature	-20 to +80 °C
Storage Temperature	-40 to +80 °C
Order by Part Number	<b>AC01281-10</b>
Product Description Code	HCP-M0200T-A01VS

**OPTIONS:** Also available in breakout construction with up to 18 sub-units, jacket color, print legend, terminated assemblies

**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.

**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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