



A Furukawa Company

Your Optical Fiber Solutions Partner®

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## Item # AC01287-12, 400 µm Simplex Step-Index HCS® General Purpose Cables

OFS 3.0 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 3.0 mm diameter polyurethane jacket.



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### Optical Properties

Type	Multimode Step-Index
Attenuation	@ 850 nm, ≤ 8 dB/km
Fiber Specifications	<a href="#">CF01493-12</a> , 400 0.37 NA Low OH Optical Fiber

### Cable Design

Construction	Simplex 400
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<b>Numerical Aperture</b>	0.37
<b>Fiber Core Diameter</b>	400 ± 8 μm
<b>Outer Cable Diameter</b>	3 mm
<b>Cable Weight</b>	< 8 kg/km
<b>Outer Jacket Material</b>	Polyurethane
<b>Outer Jacket Color</b>	Orange
<b>Flammability Rating</b>	None

## Installation and Usage Specifications

<b>Installation Load Maximum</b>	80 lb 335 N
<b>Operating Load Maximum</b>	40 lb 178 N
<b>Minimum Bend Installation</b>	65 mm
<b>Minimum Bend Operating</b>	45 mm
<b>Operating Temperature</b>	-40 to 80 °C
<b>Storage Temperature</b>	-40 to 80 °C

## Ordering Information

<b>Product Description Code</b>	HCP-M0400T-C01US
<b>Order From Location</b>	AVON LOCATION 1.888.438.9936 toll-free in the United States and Canada 1.860.678.0371 from outside the U.S.A. 55 Darling Drive Avon, CT 06001, USA
<b>Order By Item #</b>	AC01287-12

## Typical Applications

Corrosive Chemical Environments  
Hydrophone  
Repetitive Motion Applications  
Robotics  
Umbilicus Assemblies

## Crimp & Cleave Compatibility

SMA Connectors  
ST Connectors

## Options

Also Available in Breakout Construction with up to 18 Sub-Units  
Jacket Color  
Print Legend  
Terminated Assemblies