

Simplex 400 μm Step-Index 3.0 mm HCS[®] Fiber Optic Cable

P/N: AC01287-12



Overview

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.

Typical Applications

Corrosive Chemical
Environments
Hydrophone
Repetitive Motion Applications
Robotics
Umbilicus Assemblies



A Furukawa Company

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Product Specifications	
Product Description	Simplex 400 μm Step-Index 3.0 mm HCS Fiber Optic Cable
Physical Characteristics	
Construction	Simplex 400
Numerical Aperture	0.37
Fiber Core Diameter	400 ± 8 μm
Outer Cable Diameter	3 mm
Cable Weight	< 8 kg/km
Outer Jacket Material	Polyurethane
Outer Jacket Color	Orange
Flammability Rating	None
Crimp & Cleave Compatibility	SMA Connectors, ST Connectors
Optical Characteristics	
Type	Multimode Step-Index
Attenuation @ 850 nm	≤ 8 dB/km
Fiber Specifications	CF01493-12, 400 μm HCS 0.37 NA Low OH Optical Fiber
Mechanical and Environmental	
Installation Load (Maximum)	80 lb. (335 N)
Operating Load (Maximum)	40 lb. (178 N)
Minimum Bend Installation	65 mm
Minimum Bend Operating	45 mm
Operating Temperature	-40 to +80 °C
Storage Temperature	-40 to +80 °C
Order by Part Number	AC01287-12
Product Description Code	HCP-M0400T-C01US

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 or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



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OFS Marketing Communications
Date: 12/19



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