

Simplex 1000 μm Step-Index 3.0 mm HCS® Fiber Optic Cable

P/N: AC01287-15



Overview

Lightera 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
- Umbilical Assemblies

Product Specifications	
Product Description	Simplex 1000 μm Step-Index 3.0 mm HCS Fiber Optic Cable
Physical Characteristics	
Construction	Simplex 1000
Numerical Aperture	0.37
Fiber Core Diameter	1000 $\pm$ 15 μ m
Outer Cable Diameter	3 mm
Cable Weight	< 10 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	$\leq$ 10 dB/km
Fiber Specifications	CF01493-15, 1000 μ m HCS 0.37 NA Low OH Optical Fiber
Mechanical and Environmental	
Installation Load (Maximum)	125 lb. (555 N)
Operating Load (Maximum)	65 lb. (290 N)
Minimum Bend Installation	170 mm
Minimum Bend Operating	120 mm
Operating Temperature	-40 to +80 $^{\circ}$ C
Storage Temperature	-40 to +80 $^{\circ}$ C
Order by Part Number	AC01287-15
Product Description Code	HCP-M1000T-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.
Contact Information	For additional information please contact your sales representative. You can also visit our website at www.lightera.com or call 1-888-FIBERHELP (1-888-342-3743) USA or 1-770-798-5555 outside the USA. For a full list of our certifications, visit our website.
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