

2-Fiber Heavy Duty 2.5 mm 200 μ m HCS® Step-Index Fiber Optic Cable

P/N: AC02843-10



Overview

These cables are designed for industrial data communication applications in challenging environments. They are extremely durable, with outstanding crush and impact resistance. With excellent weatherability, they are UV- and chemical-resistant, moisture-resistant, and suitable for damp environments.

Taking advantage of the features of HCS optical fibers, these tight buffer cables are surrounded by high strength aramid yarn and a tough polyethylene jacket.

Typical Applications

- Factory Automation
- Fuel Cells
- Industrial Communications
- Sensing
- Short-Haul Data Transmission in Harsh/Wet Environments
- Utilities
- Wind Turbines

Product Specifications	
Product Description	2-Fiber Heavy Duty 2.5 mm 200 μm HCS Step-Index Fiber Optic Cable
Physical Characteristics	
Construction	2-Fiber Heavy Duty
Fiber Core Diameter	200 $\pm$ 4 μ m
Sub-Unit Diameter	2.5 $\pm$ 0.2 μ m
Outer Cable Diameter	8.4 mm
Cable Weight	50.0 kg/km
Outer Jacket Material	PE
Outer Jacket Color	Black
Numerical Aperture	0.37
Crimp & Cleave Compatibility	SMA and ST Connectors
Optical Characteristics	
Type	Multimode Step-Index
Attenuation @ 850 nm	$\leq$ 6 dB/km
Fiber Specifications	CF01493-10, 200 μ m HCS 0.37 NA Low OH Optical Fiber
Mechanical and Environmental	
Installation Load (Maximum)	600 lb. (2669 N)
Operating Load (Maximum)	340 lb. (1512 N)
Minimum Bend Installation	125 mm
Minimum Bend Operating	85 mm
Operating Temperature	-40 to +80 $^{\circ}$ C
Storage Temperature	-40 to +80 $^{\circ}$ C
Intended Location	Outdoor
Order by Part Number	AC02843-10
Product Description Code	HCP-M0200T-A02EB-HD
OPTIONS	Also available in breakout construction with up to 18 sub-units, inner/outer jacket color, outer jacket material, print legend, terminated assemblies
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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