



A Furukawa Company

Your Optical Fiber Solutions Partner®

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Item # AC02843-10, 2-Fiber Heavy Duty 2.5 mm Based Construction 200 μm HCS® Step-Index Cables

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.



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Optical Properties

Type	Multimode Step-Index
Attenuation	@ 850 nm, ≤ 6 dB/km
Fiber Specifications	CF01493-10 , 200 0.37 NA Low OH Optical Fiber

Cable Design

Construction	2-Fiber Heavy Duty
Numerical Aperture	0.37
Fiber Core Diameter	200 ± 4 µm
Sub-Unit Diameter	2.5 ± 0.2 mm
Outer Cable Diameter	8.4 mm
Cable Weight	50.0 kg/km
Outer Jacket Material	PE
Outer Jacket Color	Black

Installation and Usage Specifications

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 °C
Storage Temperature	-40 to 80 °C

Ordering Information

Product Description Code	HCP-M0200T-A02EB-HD
Order From Location	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
Order By Item #	AC02843-10

Typical Applications

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

Crimp & Cleave Compatibility

SMA Connectors
ST Connectors

Options

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