



6-Fiber HD Breakout 2.2 mm 200 μ m HCS® Step-Index V-System Fiber Optic Cable

P/N: BC06145-06

Overview

Outdoor Heavy-Duty (HD) Industrial Cables enable highly intelligent communication interfaces in harsh environments when high speed and signal integrity are critical.

All-dielectric construction makes these cables suitable for hazardous areas while providing immunity from EMI/RFI noise and grounding problems. HCS fiber V-System cable is a low-cost, silica-based cabling system, compatible with Avago versatile link 650 nm receivers and transmitters.

Typical Applications

- Factory Automation
- Industrial Communications
- Laser Power Delivery
- Near-IR Spectroscopy
- Wind Turbines

Product Specifications	
Product Description	6-Fiber HD Breakout 2.2 mm 200 μm HCS Step-Index V-System Fiber Optic Cable
Physical Characteristics	
Construction	6-Fiber HD Breakout
Fiber Core Diameter	200 $\pm$ 4 μ m
Sub-Unit Diameter	2.2 $\pm$ 0.1 μ m
Outer Cable Diameter	9.5 mm
Cable Weight	75 kg/km
Outer Jacket Material	PE
Outer Jacket Color	Black
Numerical Aperture	0.37
Crimp & Cleave Compatibility	V-Pin Connectors
Optical Characteristics	
Type	Multimode Step-Index
Attenuation @ 850 nm	$\leq$ 8 dB/km
Fiber Specifications	CF01493-10, 200 μ m HCS 0.37 NA Low OH Optical Fiber
Mechanical and Environmental	
Installation Load (Maximum)	528 lb. (2358 N)
Operating Load (Maximum)	263 lb. (1170 N)
Minimum Bend Installation	143 mm
Minimum Bend Operating	95 mm
Operating Temperature	-40 to +80 $^{\circ}$ C
Storage Temperature	-40 to +80 $^{\circ}$ C
Intended Location	Outdoor
Order by Part Number	BC06145-06
Product Description Code	HCP-M0200T-V06EB-HD
OPTIONS	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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