



Simplex 2.2 mm Step-Index 400 μm HCS® Plenum V-System® Fiber Optic Cable

P/N: BC03597-12-BR

Overview	Lightera 2.2 mm HCS fiber V-System cable is a low-cost, silica-based cabling system, compatible with Avago versatile link 650 nm receivers and transmitters. Cables built with 400 μm HCS fiber are an alternative to the plastic fiber otherwise used with those components, offering high performance, greater link length, and better mechanical and environmental properties at comparable cost.
Typical Applications	• 650 or 850 nm Devices • Factory Automation • Industrial Communications • Laser Power Delivery • Near-IR Spectroscopy • Plenum Installations

Product Specifications	
Product Description	Simplex 2.2 mm Step-Index 400 µm HCS Plenum V-System Fiber Optic Cables
Physical Characteristics	
Construction	Simplex V-System
Numerical Aperture	0.37
Fiber Core Diameter	400 ± 8 µm
Outer Cable Diameter	2.2 mm
Cable Weight	6.5 kg/km
Outer Jacket Material	PVC
Outer Jacket Color	Brown
Flammability Rating	NFPA-262
Crimp & Cleave Compatibility	V-Pin 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)	25 lb. (111 N)
Operating Load (Maximum)	10 lb. (44 N)
Minimum Bend Installation	65 mm
Minimum Bend Operating	45 mm
Operating Temperature	0 to +75 °C
Storage Temperature	-20 to +75 °C
Order by Part Number	BC03597-12-BR
Product Description Code	HCP-M0400T-V01PK
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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