

4-Fiber Waterblocked 200 μ m LSZH Step-Index HCS® Fiber Optic Cable

P/N: C21053



Overview

These versatile low smoke zero halogen (LSZH) 2.5 mm cables, based on HCS fiber, have a broader range of installation environments than either indoor or outdoor cable. LSZH construction makes them suitable for indoor riser installations in enclosed or sealed locations. They are also sufficiently insulated to endure the transition areas from the indoors to the outdoors, such as at electrical substations, or poorly insulated semi-outdoor locations, such as wind turbine towers. These cables are crimp and cleave compatible with ST or SMA connectors. They are moisture and fatigue resistant and extremely durable. LSZH materials also offer a higher operating temperature range than comparable HCS cables.

Typical Applications

- Nuclear Power Plants
- Offshore Marine Platforms
- Shipboard Systems
- Wind Turbines

Product Specifications	
Product Description	4-Fiber Waterblocked 200 μm LSZH Step-Index HCS Fiber Optic Cable
Physical Characteristics	
Construction	4-Fiber Waterblocked
Fiber Core Diameter	200 $\pm$ 4 μ m
Sub-Unit Diameter	2.5 $\pm$ 0.2 mm
Outer Cable Diameter	8.0 $\pm$ 0.4 mm
Cable Weight	< 65 kg/km
Outer Jacket Material	LSZH
Outer Jacket Color	Black
Specialty Testing (IEC 754-2 Acid Gas - Halogen Content)	Passes
Specialty Testing (IEC 332-3 Flammability Rating)	Passes
Specialty Testing (Cyclic Flexing)	> 500 Cycles
Optical Characteristics	
Type	Multimode Step-Index
Attenuation @ 850 nm	$\leq$ 8 dB/km
Mechanical and Environmental	
Installation Load (Maximum)	530 lb. (2358 N)
Operating Load (Maximum)	265 lb. (1179 N)
Minimum Bend Installation	120 mm
Minimum Bend Operating	80 mm
Operating Temperature	-20 to +80 $^{\circ}$ C
Storage Temperature	-40 to +80 $^{\circ}$ C
Intended Location	Indoor/Outdoor
Order by Part Number	C21053
Product Description Code	HCP-M0200T-A04ZB
OPTIONS	Also available in breakout construction with up to 18 sub-units, jacket color, outer jacket material, 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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