



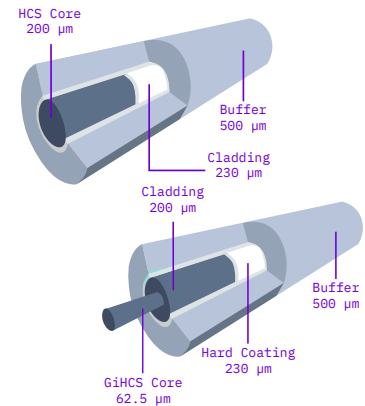
HCS[®] Industrial Graded-Index and Step-Index Fiber Optic Cable Selection Guide




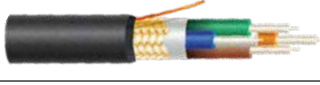


INDOOR AND OUTDOOR DESIGNS

Optical Fiber Cables for Use in Substation Automation, Factory Automation, Industrial Ethernet, HVDC Systems, and Power Electronics











Why HCS and GiHCS®?
200 µm Step-Index Hard Clad Silica
62.5 µm OM1 Graded-Index Hard Clad Silica

- Wide operating temperature range
- Resistant to abrasion, vibration, and industrial chemicals
- HCS extends the distance and bandwidth of POF (Plastic Optical Fiber) Systems
- Superior crush, twist, tensile strength, and flex performance
- Ideal for Broadcom Versatile Link, Industrial Ethernet, Fieldbus, and Power over Fiber (PoF)
- Suitable for indoor and outdoor use






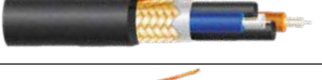



GiHCS® 62.5 Graded Index Cable (F14404 OM1 Fiber)

Part Number	Outer Diameter	Construction	Min. Operating Bend Radius	Max. Operating Load	Lightera Field Termination Connector Compatibility	Picture
Indoor Riser Rated (UL-1666 and CSA FT4) Cable						
C26135	2.2x 4.6 mm	LSZH Zipcord	22 mm	5 lbs (22.2 N)	ST, LC	
C26643	2.5x 5.2 mm	LSZH Zipcord	25 mm	85 lbs (378.1 N)	ST	
Indoor-Outdoor Cable						
C26137	8.0 mm (2.2 mm subs)	LSZH 2-Fiber Breakout	80 mm	230 lbs (1023 N)	ST, LC	
C26139	8.0 mm (2.2 mm subs)	LSZH 4-Fiber Breakout	80 mm	230 lbs (1023 N)	ST, LC	
C26645	8.0 mm (2.5 mm subs)	LSZH 2-Fiber Breakout	80 mm	155 lbs (689.5 N)	ST	
C26647	8.0 mm (2.5 mm subs)	LSZH 4-Fiber Breakout	80 mm	230 lbs (1023 N)	ST	

NOTE: Temperature ranges are -20 to +80 °C with a few exceptions.

HCS® 200 µm Step-Index Cable (CF01493-10 Fiber)						
Part Number	Outer Diameter	Construction	Min. Operating Bend Radius	Max. Operating Load	Lightera Field Termination Connector Compatibility	Picture
Indoor Riser Rated Cable						
C21058	2.2 mm	LSZH Simplex	22 mm	5 lbs (22.2 N)	ST, SMA, V-Pin, LC	
BC04265-10	2.2 mm	PVC Simplex	22 mm	5 lbs (22.2 N)	ST, SMA, V-Pin, LC	
AC01281-10	2.5 mm	PVC Simplex	25 mm	55 lbs (244.7 N)	ST, SMA	
C21050	2.5 mm	LSZH Simplex	25 mm	55 lbs (244.7 N)	ST, SMA	
C21059	2.2 x 4.6 mm	LSZH Zipcord	22 mm	5 lbs (22.2 N)	ST, SMA, V-Pin, LC	
BC04307	2.2 x 4.6 mm	PVC Zipcord	22 mm	5 lbs (22.2 N)	ST, SMA, V-Pin, LC	
AC01282-10	2.5 x 5.2 mm	PVC Zipcord	25 mm	85 lbs (378.1 N)	ST, SMA	
C21051	2.5 x 5.2 mm	LSZH Zipcord	25 mm	85 lbs (378.1 N)	ST SMA	
BC04791-10	7.5 mm (2.2 mm Subs)	PVC 2-Fiber Breakout	75 mm	45 lbs (200.2 N)	ST, SMA, V-Pin, LC	
BC04791-12	7.5 mm (2.2 mm Subs)	PVC 4-Fiber Breakout	75 mm	45 lbs (200.2 N)	ST, SMA, V-Pin, LC	
Indoor Plenum Rated Cable						
BC03597-10-BL	2.2 mm	PVC Simplex	22 mm	5 lbs (22.2 N)	ST, SMA, V-Pin, LC	
BC04340	2.2 x 4.6 mm	PVC Zipcord	22 mm	5 lbs (22.2 N)	ST, SMA, V-Pin, LC	

NOTE: Temperature ranges are -20 to +80 °C with a few exceptions.

HCS® 200 µm Step-Index Cable <i>Continued</i> (CF01493-10 Fiber)						
Part Number	Outer Diameter	Construction	Min. Operating Bend Radius	Max. Operating Load	Lightera Field Termination Connector Compatibility	Picture
Indoor-Outdoor Cable						
C21060	8.0 mm (2.2 mm Subs)	LSZH 2-Fiber Breakout	80 mm	45 lbs (200.2 N)	ST, SMA, V-Pin, LC	
C21063	9.5 mm (2.2 mm Subs)	LSZH 2-Fiber Glass Armor	95 mm	200 lbs (889.6 N)	ST, SMA, V-Pin, LC	
C21052	8.0 mm (2.5 mm subs)	LSZH 2-Fiber Breakout	80 mm	155 lbs (689.5 N)	ST, SMA	
C21061	8.0 mm (2.2 mm Subs)	LSZH 4-Fiber Breakout	80 mm	45 lbs (200.2 N)	ST, SMA, V-Pin, LC	
C21064	9.5 mm (2.2 mm Subs)	LSZH 4-Fiber Glass Armor	95 mm	92 lbs (409.2 N)	ST, SMA, V-Pin, LC	
Outdoor Waterblocked Cable						
BC06145-02	8.0 mm (2.2 mm Subs)	PE 2-Fiber Breakout	80 mm	230 lbs (1023 N)	ST, SMA, V-Pin, LC	
AC02602-10	8.0 mm (2.5 mm subs)	PE 2-Fiber Breakout	80 mm	155 lbs (689.5 N)	ST, SMA	
BC06145-04	8.0 mm (2.2 mm Subs)	PE 4-Fiber Breakout	80 mm	230 lbs (1023 N)	ST, SMA, V-Pin, LC	

NOTE: Temperature ranges are -20 to +80 °C with a few exceptions.

The cables in this brochure are intended to be used with Lightera Crimp & Cleave field termination connectors and termination kits.



REMOVE



STRIP



CRIMP



CLEAVE