



**FURUKAWA**  
SOLUTIONS

CABLE SELECTION GUIDE



## HCS<sup>®</sup> 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

OFS | [WWW.OFSOPTICS.COM](http://WWW.OFSOPTICS.COM)

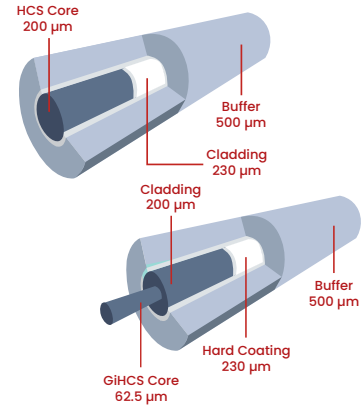
55 Darling Drive, Avon, CT 06001



**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	OFS Field Termination Connector Compatibility	Picture
<b>Indoor Riser Rated (UL-1666 and CSA FT4) Cable</b>						
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	
<b>Indoor-Outdoor Cable</b>						
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	OFS Field Termination Connector Compatibility	Picture
<b>Indoor Riser Rated Cable</b>						
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	
<b>Indoor Plenum Rated Cable</b>						
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 *Continued* (CF01493-10 Fiber)

Part Number	Outer Diameter	Construction	Min. Operating Bend Radius	Max. Operating Load	OFS Field Termination Connector Compatibility	Picture
<b>Indoor-Outdoor Cable</b>						
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	
<b>Outdoor Waterblocked Cable</b>						
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 OFS Crimp & Cleave field termination connectors and termination kits.



REMOVE



STRIP



CRIMP



CLEAVE



For additional information please contact your sales representative.

You can also visit our website at [www.ofsoptics.com](http://www.ofsoptics.com) or call 1-888-FIBER-HELP (1-888-342-3743) from inside the USA or +1-770-798-5555 from outside the US. EMEA Specific: +49 (0) 228 7489 201

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