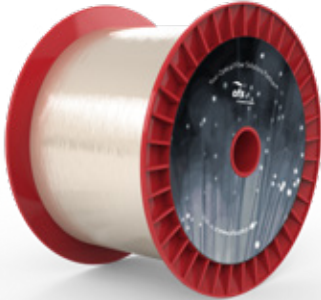


GiHCS® 62.5 µm Industrialized Optical Fibers

P/N: F14404



Overview

The range of GiHCS optical fibers from OFS combine the renowned high mechanical strength characteristics of HCS® fluoroacrylate optical fiber with the enhanced bandwidth of Graded-Index core profile. This design supports the trend toward Ethernet-based protocols in industrial networking with high reliability optical fibers for harsh environmental conditions.

A distinct advantage of GiHCS optical fiber is the OFS Crimp & Cleave termination method. Our durable polymer enables field technicians to connectorize fibers and cables by crimping connectors directly onto the fiber's coating and then cleaving the glass fiber. Like electrical connections, reliable handheld tools are used; no power, no epoxies, no polishing. Quick, easy, and durable.

Typical Applications

Factory Automation
Short-to-Medium
Distance Communications
Avionics Communications
Wind Turbines



A Furukawa Company

GiHCS® 62.5 Industrialized Optical Fibers

P/N: F14404

Product Specifications	
Product Description	GiHCS 62.5 µm Optical Fiber
Physical Characteristics	
Core Diameter	62.5 ± 3 µm
Cladding Diameter	200 ± 4 µm
Coating Diameter	230 +0/-10 µm
ETFE Buffer Diameter	500 ± 30 µm
Core/Coating Offset	< 5.0 µm
Core/Clad Offset	< 3.0 µm
Crimp & Cleave Compatible	Yes
Cladding Material	Silica
Coating Material	HCS® Fluoroacrylate
Buffer Material	ETFE
Optical Characteristics	
Type	Multimode Graded-Index
Numerical Aperture	0.275
Bandwidth @ 850 nm	≥ 200 MHz-km
Bandwidth @ 1300 nm	≥ 500 MHz-km
Attenuation @ 850 nm	≤ 3.5 dB/km
Attenuation @ 1300 nm	≤ 1.2 dB/km
Mechanical and Environmental	
Operating Temperature	-65 to +125 °C
Short-Term Bend Radius	≥ 10 mm
Long-Term Bend Radius	≥ 16 mm
Proof Test Level	≥ 150 kpsi (1.03 GPa)
Order by Part Number	F14404
OPTIONS: Buffer Color, Buffer Diameter, Cabling, Crimp & Cleave Connectorization, Proof Test	

For additional information please contact your sales representative.

You can also visit our website at www.ofsoptics.com or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



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