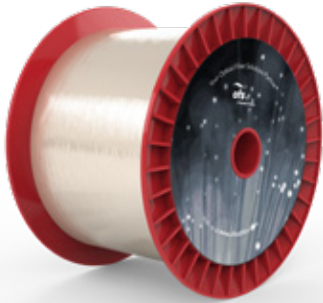




A Furukawa Company

940-22 HCL Optical Fiber

P/N: CF01493-54



Overview

The OFS family of High-Power Delivery optical fibers includes the HCL product line. HCL fibers are low-OH, all-silica fibers coated with HCS[®] fluoroacrylate to improve fiber strength and to reduce static fatigue. ETFE is used as the outer buffer on these step-index, multimode fibers. They have a nominal NA of 0.22 and are available in a variety of core sizes and core/clad ratios.

Typical Applications

Cascaded Laser Power Delivery

High-Power Laser Delivery

Industrial Cabling

Laser Surgery

Laser Welding and Cutting

Near-IR (up to 2100 nm)

Laser Power Delivery



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Product Specifications	
Product Description	940-22 HCL
Physical Characteristics	
Core Diameter	940 ± 15 µm
Cladding Diameter	1000 ± 15 µm
Hard Coating Diameter	1035 ± 15 µm
Buffer Diameter	1400 ± 50 µm
Clad/Coating Offset	11 µm
Crimp & Cleave Compatible	Yes
Buffer Material	ETFE
Standard Buffer Color	Natural
Coating Material	HCS® Fluoroacrylate
Optical Characteristics	
Type	Multimode Step-Index
Numerical Aperture	0.22 ± 0.02
Attenuation @ 850 nm	≤ 10 dB/km
Water Content	Low OH
Mechanical and Environmental	
Operating Temperature	-65 to +125 °C
Short-Term Bend Radius	≥ 73 mm
Long-Term Bend Radius	≥ 118 mm
Proof Test Level	≥ 100 kpsi (0.689 GPa)
Order by Part Number	CF01493-54
Product Description Code	940-22 HCL

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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