

H-PCF Optical Fiber System Cable

Type C-LAP

General Attributes

- 200/230 HR Fiber
- Two to Six fibers, Round Construction
- 10 mm PE Outer Jacket for Outdoor Applications
- With Aramid Strength Member



Specifications

Fiber Properties

Fiber Type	HR (200/230/500 μm)
Construction	Silica/ Fluoropolymer / ETFE
Index Profile	Step Index
NA	0.37

Optical Properties

Attenuation @850 nm	$\leq 6\text{dB/km}$
Bandwidth @ 810 nm	14.5 MHz-km

Cable Properties

Strength Member	Fiber Glass (FRP)
Filler Members	2.5mm (nom.) plastic
Outer Jacketing	Polyethylene
Inner Jacketing	PVC
Sub Unit Diameter	2.5mm \pm 0.2mm
Cable Diameter	9.2mm \pm 1.0mm
Thickness	1.5mm (nom.)

Mechanical Information

Short-Term Bend Radius	$\geq 50\text{mm}$
Long-Term Bend Radius	$\geq 100\text{mm}$
Maximum Tensile Load	735 N
Operating Temperature	-20 to 70 $^{\circ}\text{C}$
Storage Temperature	-40 to 70 $^{\circ}\text{C}$

Applications

LAN / Data Links @ 650, 810, 820, and 850nm
 Large Core Data Transmission
 Factory Floor or Outdoor Applications
 For use with Siemens, Allen-Bradley, and Omron Controllers

Design Notes

6 Fiber Counts Available
 Copper/Fiber Hybrid Designs Available
 Dimensions may be larger in some designs

Berkshire Photonics, LLC

88 Bee Brook Road P.O. Box 595 Washington Depot, CT 06794
 Phone: (860)-868-0412 Fax: (860)-868-0492 E-mail: info@berkshirephotonics.com
www.berkshirephotonics.com