

# **Berkshire Photonics**

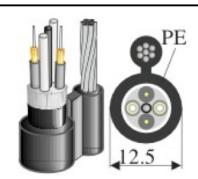
## **Product Data Sheet**

## H-PCF Optical Fiber System Cable

## Type C-LAP-SSD

## **General Attributes**

- 200/230 0.40 NA fiber (type HC)
- Round Construction for overhead outdoor use
- PE Final Outer Jacket
- With Aramid strength member and/or fillers
- With "Figure-8" messenger wire for pole mounting



## **Specifications**

### **Fiber Properties**

Fiber Type HC 200/230/500 μm

Construction Silica / Fluoropolymer / ETFE

Index Profile Step Index NA 0.40 NA

## **Optical Properties**

Attenuation @850 nm ≤7dB/km

Attenuation @ 655nm ≤15 dB/km

Bandwidth @ 810 nm 14 MHz-km

#### **Cable Properties**

Strength Member Central, plastic coated steel wire

Outer Jacketing PE

Filler Member 2.2 mm Plastic

Sub Unit Diameter 2.2 mm ± 0.2mm

Cable Diameter  $12.5 \text{ mm} \pm 1.0 \text{ mm}$  (without

messenger wire)

#### **Mechanical Information**

Short-Term Bend Radius ≥ 50 mm

Long-Term Bend Radius ≥ 100 mm

Maximum Tensile Load 735 N

Operating Temperature -20 to 70 °C

Storage Temperature -40 to 70 °C

#### **Applications**

LAN / Data links @ 650,810,820 and 850 nm

Large core data transmission

#### **Design Notes**

6 Fiber counts available (2 channel shown) Copper / Fiber Hybrid designs available Dimensions may be larger in some designs

## Berkshire Photonics, LLC