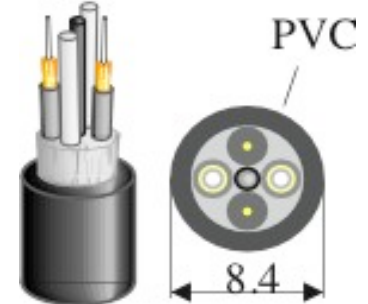


H-PCF Optical Fiber System Cable

Type C-V

General Attributes

- 200/230 0.40 NA fiber (type HC)
- Standard Round Construction for Indoor Use
- PVC Final Outer Jacket
- With Aramid strength member and/or fillers



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	$\leq 7\text{dB/km}$
Attenuation @ 655nm	$\leq 15\text{ dB/km}$
Bandwidth @ 810 nm	14 MHz-km

Cable Properties

Strength Member	Central, plastic coated steel wire
Outer Jacketing	PVC
Filler Member	2.2 mm Plastic Round Filler
Sub Unit Diameter	2.2 mm \pm 0.2mm
Cable Diameter	8.4 mm \pm 1.0 mm
Thickness	1.2 mm
Weight	70 kg/km

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 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

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