

## PRODUCT SPECIFICATIONS

HOC-SM-OS2-4F  
 HOC-SM-OS2-8F  
 HOC-SM-OS2-12F  
 HOC-SM-OS2-48F



# Indoor Fiber Cable

## Applications

The multi-core bundle optical cable uses several 900 μm tight buffered fibers as optical transmission medium, covered with aramid yarns as the strength member, then PVC sheath is extruded. Other sheath materials are available on request.



## Application Circumstances

Multi-core optical fiber flexible connector Indoor cabling

## Optical Fiber

- OS2 Optical Fiber supplied in this specification meet the requirements of ITU-T G.657A2.

Fibre attributes					
Attribute	Detail	Value			Unit
Maximum attenuation	1310nm to 1625nm	0.40			dB/km
Maximum attenuation after hydrogen ageing	@ 1383 nm ±3 nm	0.40			dB/km
Maximum attenuation	1530nm to 1565nm	0.30			dB/km
Mode field diameter	Wavelength	1 310			nm
	Range of nominal values	8.6-9.2			μm
	Tolerance	±0.4			μm
Cladding diameter	Nominal	125.0			μm
	Tolerance	±0.7			μm
Core concentricity error	Maximum	0.5			μm
Cladding non-circularity	Maximum	1.0			%
Cable cut-off wavelength	Maximum	1260			nm
Maximum macro-bending loss	Radius	15	10	7.5	mm
	Number of turns	10	1	1	
	Max. at 1550 nm	0.03	0.1	0.5	dB
	Max. at 1625 nm	0.1	0.2	1.0	
Proof stress	Minimum	0.69			GPa
Chromatic dispersion parameter	λ <sub>0min</sub>	1 300			nm
	λ <sub>0max</sub>	1 324			nm
3-term Sellmeier fitting (1 260nm to 1 460 nm)	S <sub>0min</sub>	0.073			ps/(nm <sup>2</sup> × km)
	S <sub>0max</sub>	0.092			
Linear fitting (1 460 nm to 1 625 nm)	Min. at 1550 nm	13.3			ps/(nm × km)
	Max. at 1550 nm	18.6			
	Min. at 1625 nm	17.2			
	Max. at 1625 nm	23.7			

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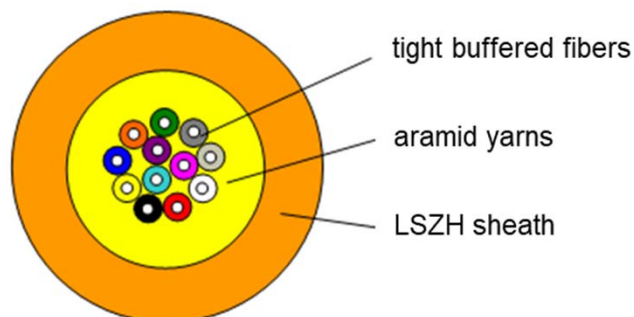
# Multi-core Indoor Fiber Cable

## Fiber color code and loose tube code

Number	1	2	3	4	5	6	7	8	9	10	11	12
Color	Blue	OR	GR	BR	Slate	White	Red	Black	YE	Violet	Pink	Aqua

## Product Information

Part No.	Description	Cable diameter ( mm )	Cable weight ( kg/km )
HOC-SM-OS2-4F	4Core Indoor Fiber Cable, OS2, G657A2, PVC	4.8	15
HOC-SM-OS2-8F	8Core Indoor Fiber Cable, OS2, G657A2, PVC	5.4	24
HOC-SM-OS2-12F	12Core Indoor Fiber Cable, OS2, G657A2, PVC	6.5	35
HOC-SM-OS2-48F	48Core Indoor Fiber Cable, OS2, G657A2, PVC	16.0	314



Remarks : Different number fiber cable cores are available. Please contact [info@hakkoopto.com](mailto:info@hakkoopto.com)