

DS-QFV-CKS4L**4-Core Single Mode Flame Retardant Optical Fiber**

- Loose tube construction, tubes jelly filled, elements (tubes and filler rods) and water blocking yarns laid up around metallic central strength member, polyester yarns used to bind the cable core, water blocking tape, then steel tape and LSZH outer sheath

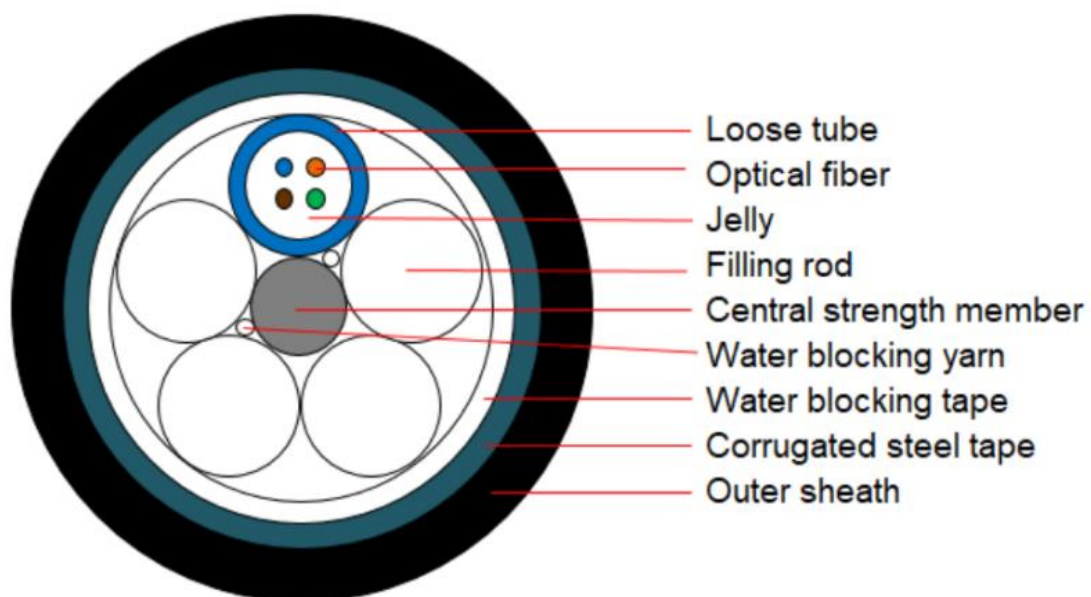
▪ Specification

Basic Parameter	
Fiber Type	4-Core Single Mode
Attenuation	@1310 nm : ≤ 0.360 dB/km @1550 nm : ≤ 0.220 dB/km
Dispersion	@1288 nm ~ 1339 nm : ≤ 3.5 ps/(nm.km) @1550 nm : ≤ 18.0 ps/(nm.km)
Zero Dispersion Wavelength	1300 nm-1324 nm
Dispersion Slope at Zero Dispersion Wavelength	≤ 0.092 ps/(nm ² ·km)
Cut off Wavelength of Cabled Fiber (λ_{cc})	≤ 1260 nm
Polarization Mode Dispersion Link Value	≤ 0.1 ps/vkm
Polarization Mode Dispersion for Individual Fiber	≤ 0.2 ps/vkm
General	
Mode Field Diameter	@1310 nm : $9.2\mu\text{m} \pm 0.4\mu\text{m}$ @1550 nm : $10.4\mu\text{m} \pm 0.5\mu\text{m}$
Cladding Diameter	$125\mu\text{m} \pm 0.7\mu\text{m}$
Core/Cladding Concentricity Error	$\leq 0.6\mu\text{m}$
Cladding Non-Circularity	$\leq 1.0\%$
Coating Diameter	$242\mu\text{m} \pm 7\mu\text{m}$
Cladding Coating Concentricity Error	$\leq 12\mu\text{m}$
Min. Bending Radius for Installation	Static: 10 x cable diameter Dynamic: 20 x cable diameter
Application Temperature Range	Operation: $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$ Installation: $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$ Storage/transportation: $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$

▪ Available Model

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▪ Dimension



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