

model	Size(mm)	Core capacity	Cable Port(max)	Max diameter Of cable(mm)	Splice Tray model	Core capacity Tray	Weight (kg)
USC-1088	510 ×242 ×150	144	8	φ19	A	12-24	3.5

Sequence Number	Inspection Item	Requirement		Inspection Results	Conclusion
1	Appearance and configuration	Appearance	Shape integrity, No defect,color uniform	Meets the requirements	Qualification
		Optical Fibers Storage Set	Residual fiber length no less than 1.6m	> 1.6m	
			Residual fiber curvature Radius no less than 30mm	> 35mm	
		Electric Connecting Set	Electric connecting or shut off section in the box,ground lead-out section on the external shell.	Meets the requirements	
2	Seal performance	Charged with air which pressure is 60KPa±5KPa+65□、20□-40□ , 2h10cycles,Allow air pressure change 5KPa,immersed in the water for 15min,no air bubbl escape		No air bubble escape,air pressure change is 4KPs	Qualification
Sequence Number	Inspection Item	Requirement		Inspection Results	Conclusion
3	Insulated Resistance	After soaked into the water which is 1.5m deep for 24h,Insulated resistance≥2×10 ⁴ MΩ	Between two metal sections	1×10 ⁶ MΩ	Qualification
			Between metal section and ground	1×10 ⁶ MΩ	Qualification
4	Voltage Resisting Strength	After soaked into the water which is 1.5m deep for 24h,DC 15KV holding 1min,No breakage,no electric arc	Between two metal sections	No breakage No electric arc	Qualification
			Between metal section and ground	No breakage No electric arc	Qualification
5	Seal performance	Charged with air which pressure is 100KPa±5KPa immersed in the water for 15min,no air bubble escape;After remove for 24hr,air pressure keeps unchanged		No air bubble escape,air press keeps unchanged	Qualification
6	Re-Seal performance	Repeat Seal performance 3 times,no air bubble escape;After remove for 24hr,air pressure keeps unchanged		No air bubble escape,air press keeps unchanged	Qualification

Sequence Number	Inspection Item	Requirement	Inspection Results	Conclusion
7	Axis Tensile	For 800N axis strength Charged with air which pressure is 60KPa±5KPa,last 1 min,air pressure keeps unchanged	Air press keeps unchanged	Qualification
8	Crush	For 2000N/100mm,crush force,Charged with air which pressure is 60KPa±5KPa,last 1 min,air pressure keeps unchanged	Air press keeps unchanged	Qualification
9	Impact	16N·m,Charged with air which pressure is 60KPa±5KPa,air pressure keeps unchanged	Air press keeps unchanged	Qualification
10	Bending	150N,±45° , 10cycles,Charged with air which pressure is 60KPa±5KPa,air pressure keeps unchanged	Air press keeps unchanged	Qualification
11	Torsion	50N,±90° , 10cycles,Charged with air which pressure is 60KPa±5KPa,air pressure keeps unchanged	Air press keeps unchanged	Qualification