



FA02CL12 Optic Fiber Closures

FA02CL12 Optic Fiber Closures The scope of application is: aerial and wall-mounting. The ambient temperature ranges from -40 to 65 .















Main components

No.	components	Quantity	Applications	Remarks
1	Optic Fiber Closures cover	1 piece	Protecting fiber cable splices in whole	Inner diameter:205x146 (mm)
2	Optic Fiber Closures bottom	1 piece	Fixing reinforced core, fiber cable and fiber optic splice tray	Inner diameter:205x146 (mm)
3	Fiber optic splice tray	max. 4 pieces	Fixing heat shrinkable protective sleeve and holding fibers	Fiber number:6,12,24(cores)
4	Integrated seal fitting	1 set	Sealing between Optic Fiber Closures cover and Optic Fiber Closures bottom	
5	Port plug	2 pieces	Sealing empty ports	
6	Earthing deriving device	1 set	Deriving metallic components of fiber cable in Optic Fiber Closures for earthing connection.	Configuration as per requirement.

Specifications

Products Number	Appearance size L×W×H (mm)	Cable capacity (port)	Diameter of fiber cable(mm)	Weight (excluding outside box)(g)	Number of inlet/outlet ports	Splice capacity (Core)
FA02CL12	280×200×90	1entry 1exit,	8—14	1200-1500	max. 4 pieces	6—96

Main accessories and special tools

Picture	Name	Quantity	Picture	Name	Quantity
	protective sleeve	Configuration as per capacity		Special wrench 2	1 pcs
	Nylon tie	Configuration as per capacity		Special wrench 3	1 pcs
	Seal tape	1 roll Configuration as per specification		Earthing wire	1 pcs To put through while required
	Hanging hook	2 pcs Configuration as per requirement		Abrasive cloth	1 pcs
	Fixing device	1 pcs Configuration as per requirement		Labeling paper	1 pcs
	Special wrench 1	1 pcs		Insulation tape	1 roll

Optic Splice Closures inspecting and testing items

Inspecting item	Technical Requirements	Inspecting type	
		Routine test (Before leaving factory)	Type test
Package	Each small package contains one fiber optic splice closure, together with its accessories, tools, installation manual and packing list.	full	
Appearance	Intact in shape, no burrs, bubbles, chaps, pores, warps, impurities and other defects, all background colors should be even and continual.		
Sign	There is a clear sign on the housing, such as name and model of the product, etc.		
Fiber storage device	The fibers reserved are to be winded in fiber optic splice tray , the length of fibers housed in fiber optic splice tray is >1.6m, the curved radius is >30mm. During the installation and maintenance, there should be no attenuation on fibers.	At least 3 sets	

Electrical jointing device	Inside Optic Fiber Closures: metallic components of fiber cables has the functions of electrical putting through, earthing connection and disconnecting. It is possible to install earthing deriving device outside the housing	sampled each time	At least 3 sets sampled each time
Sealing performance	After sealing according to the stipulated operation procedures, the injected air pressure is $100\text{KPa} \pm 5\text{Kpa}$, when immersed in clean water of normal temperature for 15 minutes, there should be no air bubbles, then observed for 24 hours, there should be no change of air pressure.		
Re-sealing performance	After reopening and resealing according to the stipulated operation procedures, the injected air pressure is $100\text{KPa} \pm 5\text{Kpa}$, when immersed in clean water of normal temperature for 15 minutes, there should be no air bubbles, then observed for 24 hours, there should be no change of air pressure.		
Pull	Bearing pull is $\geq 800\text{N}$ at axle orientation, there should be no breakage on the housing.		
Punching	Bearing pressure of $2000\text{N}/10\text{cm}$ for 1 minutes, there should be no breakage on the housing		
Impact	Bearing impact energy of $16\text{N}\cdot\text{m}$, 3 times of impacts there should be not breakage on the housing		
Bending	The spot between the Optic Fiber Closures and seal fitting can bear bending tension of 150N at bending angle of $\pm 45^\circ$ for 10 circles, there should be no breakage on the housing	At least 3 sets sampled each time	
Torsion	Bearing torsion $50\text{N}\cdot\text{m}$, 10 circle at torsion angle $\pm 90^\circ$. There should be no breakage on the housing.		
Temperature circle	Injected air pressure of $60\text{KPa} \pm 5\text{KPa}$, the temperature circle ranging from $-40^\circ\text{C} \sim +65^\circ\text{C}$, 10 times of the circular tests (one circular consists of high temperature for 2 hours + indoor temperature for 2 hours + low temperature for 2 hours + indoor temperature for 2 hours) when the pressure declines, the amplitude is $\leq 5\text{Kpa}$, immerse the swatch in clean water of normal temperature for 15 minutes, there should be no air bubbles.		
Voltage resistance strength	After sealing the Optic Fiber Closures according to the stipulated operation procedures, immerse it in clean water of normal temperature in 1.5m depth for 24 hours, there should be no breakdown or arc over between the metallic components of the Optic Fiber Closures, between metallic components and the ground at DC 15KV for 1 minutes.		
Isolating resistance	After sealing the Optic Fiber Closures according to stipulated operation procedure, immerse it in clean water in 1.5m depth for 24h, the isolating resistance between the metallic components of the Optic Fiber Closures, between the metallic components and the ground should be $\geq 2 \times 10^4 \text{M}\Omega$.		