

**FEATURES AND SPECIFICATIONS**
**Applications**

The Rosenberger fiber splicing closure can be used in aerial, direct burial and duct. The strong housing and main components achieve fire-resistant, waterproof and quakeproof protection of splicing while pulling, tension and impact - it keeps splice closure used in bad natural environment for a long time while guarantee telecommunication quality.

**Characteristics**

- Outer housing that is made from high-strength engineering plastic PC can effectively prevent from aging caused by coldness, heat, oxygen and ultraviolet radiation to meet good mechanical strength.
- Mechanical sealing structure outer housing is filled with silicon gum material, which can be used repeatedly without changing sticky cincture (conventional sticky cincture sealing structure is also available).
- Easy to open, no need special tools to installation
- Ground wire can connect or disconnect with metal armored sheath and metal strength member of cable

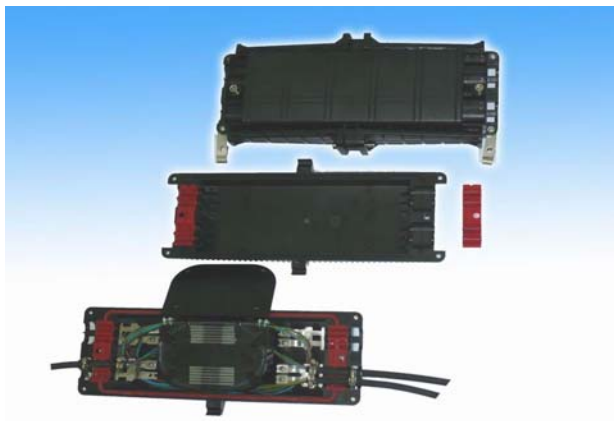
**Fiber splicing closure profile**


Figure 1: 12 cores horizontal fiber splicing closure

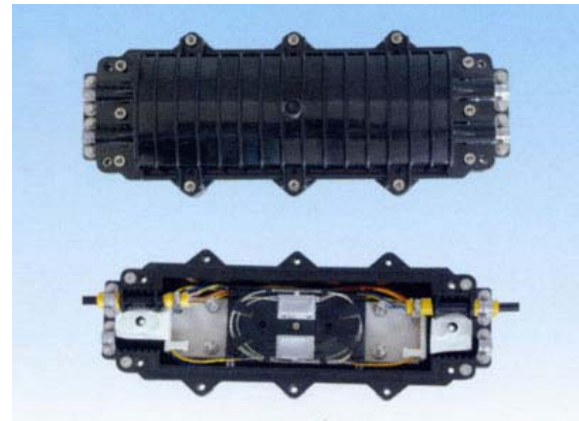


Figure 2: 36 cores horizontal fiber splicing closure

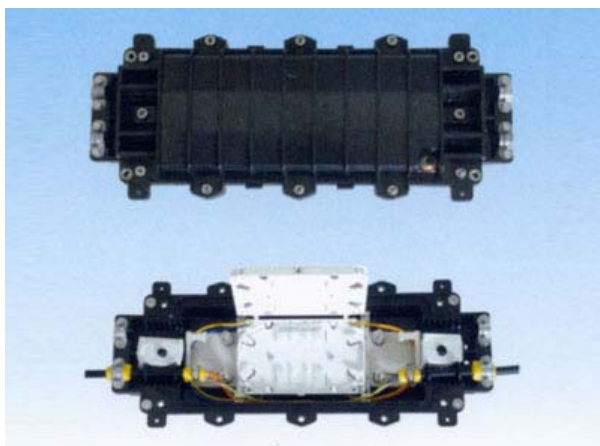


Figure 3: 60 cores horizontal fiber splicing closure

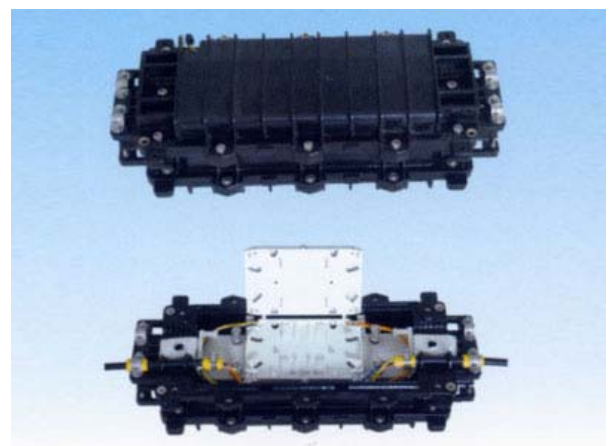


Figure 4: 96 cores horizontal fiber splicing closure

**Fiber Splicing Closure**
**Dome fiber splicing closure profile**


Figure 5: 12 cores dome fiber splicing closure

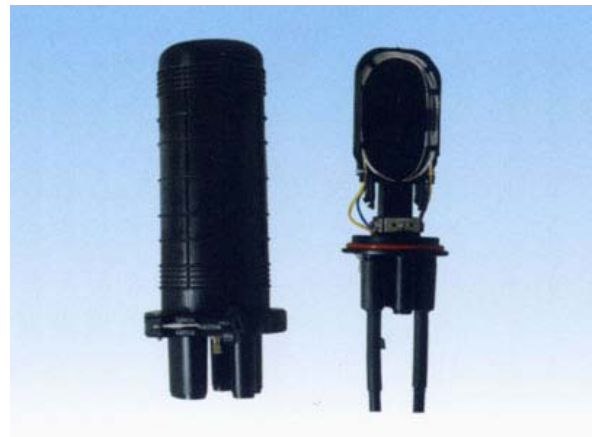


Figure 6: 24 cores dome fiber splicing closure

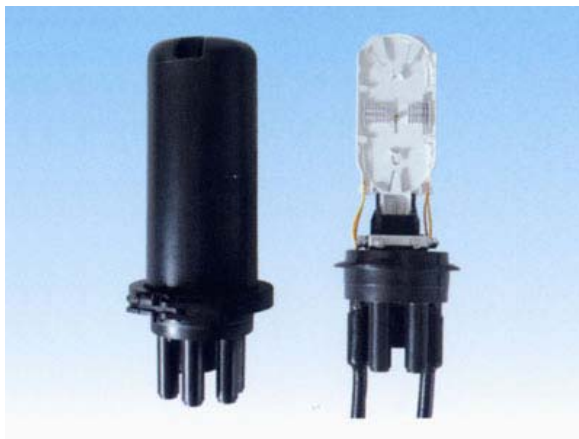


Figure 7: 64 cores dome fiber splicing closure

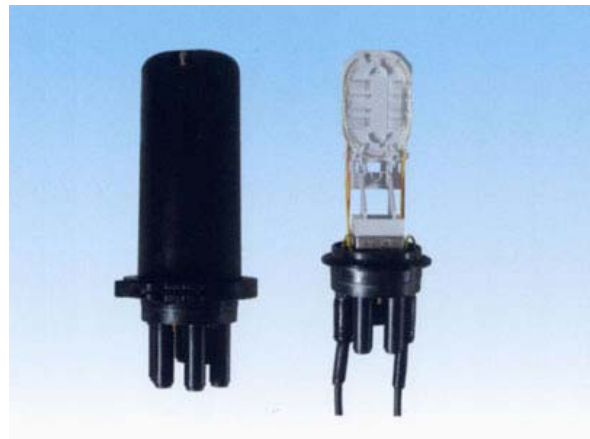


Figure 8: 96 cores dome fiber splicing closure

**Technical specifications**

- Sealing structure: Silicon gum or Sticky cincture
- Fiber additional attenuation:  $\leq 0.01\text{dB}$
- Fiber bending radius:  $\geq 30\text{mm}$
- Retaining fiber length:  $\geq 1.6\text{m}$
- Axes orientation tensile strength:  $\geq 1000\text{N}$
- Crush resistance:  $\geq 2000\text{N}/100\text{mm}$ (Direct burial),  $\geq 1000\text{N}/100\text{mm}$ (Aerial and duct)
- Operating temperature:  $-40^{\circ}\text{C} \sim +60^{\circ}\text{C}$

**Horizontal fiber splicing closure**

Max fiber cores	Splicing tray type	Inlet/Outlet ports	Cable diameter(mm)	Outside dimension (L×W×H)(mm)	Sealing structure
12	12 cores/tray	4in 4out	$\phi 5-\phi 14$	390 x 180x88	Sticky cincture or Silicon gum
36	12 cores/tray	2in 2out	$\phi 7-\phi 18$	460 x 180x108	Sticky cincture or Silicon gum
60	12 cores/tray 24 cores/tray	2in 2out	$\phi 7-\phi 25$	492 x 202x104	Sticky cincture
96	12 cores/tray 24 cores/tray	4in 4out	$\phi 7-\phi 25$	492 x 200x175	Sticky cincture

**Fiber Splicing Closure**
**Dome fiber splicing closure**

Max fiber cores	Splicing tray type	Inlet/Outlet ports	Cable diameter(mm)	Outside dimension (D×H)(mm)	Sealing structure
12	6 cores/tray	2in 2out	Φ7-Φ18	Φ85x330	Silicon gum
24	12 cores/tray	2in 3out	Φ7-Φ18	Φ100x340	Silicon gum
64	12 cores/tray 16 cores/tray	3in 3out	Φ7-Φ22	Φ210x440	Silicon gum
96	12 cores/tray 24 cores/tray	2in 2out	Φ7-Φ22	Φ210x440	Silicon gum

**Order information**

	Application	Shape	Sealing structure of box	Sealing structure of cable	Cable type	Inlet/Outlet ports		Splicing tray counts	Splicing tray type
98G	X	X	X	X	X	X	X	X	XX
	1=Aerial	1=Horizontal	1=Sticky cincture	1=Heat-shrink tube	1=Bunchy	1=1in1out	0	1=1tray	6=6cores
	2=Duct	2=Dome	2=Silicon gum	2=Silicon gum	2=Ribbon	2=2in2out		2=2trays	12=12cores
	3=Direct burial					3=3in3out		3=3trays	16=16cores
						4=4in4out		...	24=24cores
						6=6in6out			48=48cores