OPTICAL FIBERS OPTICAL CABLES OPTICAL COMPONENTS

RFTS / EQUIPMENT

Sealed Fiber Optic Splice Closure

FSCO-L5BR



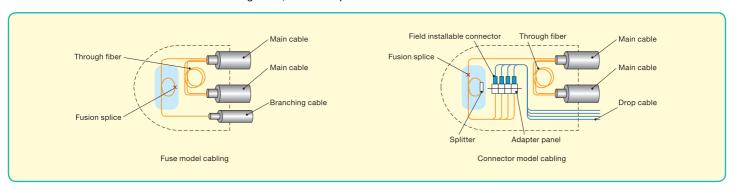
Features

Cable entry section is single-sided dome structure which is suitable for space constrained hand holes (also possible to be used in man-holes, telephone tunnels etc.).

- Closure adopts hinge/buckle mechanism which makes dismantling/ assembling easy.
- Cable entry section can accommodate maximum 6 cables (main cable 2pcs, branching cable 4pcs).
- Supports both loose tube cables and slotted core cables
- Optional splitter tray accommodates 2pcs 1 × 8 splitters and support maximum 16 drop cables
- Suitable for apply in limited space areas such as hand holes
- Fully mechanical design, fiber reinforced plastic
- Recommendation of life span for 15 to 20 years (depends on environment)
- Concept of separate cable entries system
- Laser caution signs provided on cover of the top tray
- 360-deg access permits complete access to all wirework and equipment

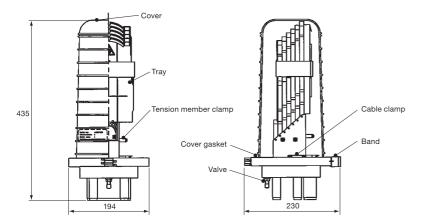
Applications

- Up to maximum 240 fibers (4-ribbon fiber) splicing FTTH distribution networks
- Applicable for both branch cables and drop cables
- Chemical and mechanical resistance for underground, aerial and pedestal installation

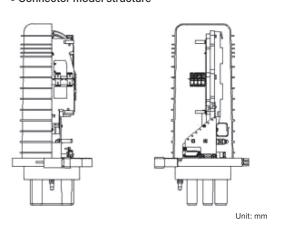


Structure

Fuse model structure



Connector model structure





Future Access.

Specifications

Physical characteristics

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Material	Molded plastic (Cover, Splice tray, Tray base, End plate, Cable clamping) Stainless steel (Tension member clamp, Drop cable clamp, adapter tray), Synthetic rubber (Cover gasket, Valve gasket)		
Dimension	L435mm × D230mm		
Weight (without kit)	Approx. 3.7kg		
Cable diameter	Main cable:12-21 mm, Branch cable:8-17.5mm Drop cable :2 ×3mm(flat type) , 3mm dia.(round type)		
Cable capacity	Main cable: 2cables Branch cable: 2cables - 4cables* (*cannot be accommodated when 3mm round type drop cables are installed) Drop/indoor cable: Max 16cables (*cannot be accommodated when 4 branch cables are installed)		
Cable ports	1 oval port for 2 main cables 4 round ports for branch cables or drop/indoor cables		
Splice tray capacity	Max. 6 trays		
SC adapter capacity	Max. 16 pcs		
Splitter capacity	1 × 4: 4pcs or 1 × 8: 2pcs or 1 × 16: 1pcs		
Maximum fiber storage	Single fiber	144 fibers (24 fiber/tray)	
capacity	4-fiber ribbon	240 fibers (10 ribbon/tray)	
Unreusable parts	Heat shrink tube, branching clip		

Note 1: Defaults to SC/UPC type adapter and splitter, please contact your local distributor for SC/APC type

Note 2: Fiber protection sleeves are attached to the product.

Note 3: Pole mount bracket is optionally available

Technical characteristics

ITU-T L.13 complied

Vibration 49kPa, A =±5mm, f=10Hz, 1,000,000 Cy, IEC61300-2-1 No damage, No leakage. Cable fixture (bend) 49kPa, ±90° bending radius 6D, 6Cy. IEC61300-2-37 No damage, No leakage. Cable torsion 49kPa, 400mm, ±90 degree, -15°C and 45°C, 5Cy. IEC61300-2-5 No damage, No leakage. Cable axial tension 49kPa, D/45 x 1000N (Max.1000N), 1hr IEC61300-2-4 No leakage Temperature cycling -20°C ~ 60°C, 8h/Cy 100Cy. Then fill 49kPa air-pressure, IEC61300-2-22 No leakage Impact 0.5kg, 0.3m @-10C. IEC61300-2-12 No damage, No splice case degradation. Immersion Water depth 5m, 7days, IEC61300-2-23 No water intrusion. Air tightness 1EC61300-2-38 Degrees of protection (IP code) IEC60529 No leakage. Compression 1000N, 25cm², 10min, -15°C and 45°C IEC61300-2-10 No leakage Chemical Resistance pH2, pH12 for 5 days. IEC61300-2-34 No leakage, Visual appearance. Rust resistance Salt spray 5% NaCl for 5days, Local control of t			
Cable fixture (bend) 49kPa, ±90° bending radius 6D, 6Cy. IEC61300-2-37 No damage, No leakage. Cable torsion 49kPa, 400mm, ±90 degree, -15°C and 45°C, 5Cy. IEC61300-2-5 No damage, No leakage. Cable axial tension 49kPa, D/45 x 1000N (Max.1000N), 1hr IEC61300-2-4 No leakage Temperature cycling -20°C ~ 60°C, 8h/Cy 100Cy. Then fill 49kPa air-pressure, No leakage. Impact 0.5kg, 0.3m @-10C. IEC61300-2-12 No damage, No splice case degradation. Immersion Water depth 5m, 7days, IEC61300-2-23 No water intrusion. Air tightness 49kPa@Room temperature, 15min. IEC61300-2-38 No leakage. Degrees of protection (IP code) IEC60529 IP67 : Water proof and No effective by duct Compression 1000N, 25cm², 10min, -15°C and 45°C IEC61300-2-10 No leakage Chemical Resistance pH2, pH12 for 5 days. IEC61300-2-34 No leakage, Visual appearance. Rust resistance Salt spray 5% NaCl for 5days,	Vibration	49kPa, A=±5mm, f=10Hz, 1,000,000 Cy,	
IEC61300-2-37	IEC61300-2-1	No damage, No leakage.	
Cable torsion IEC61300-2-5 No damage, No leakage. Cable axial tension IEC61300-2-4 Valve are resistance 49kPa, 400mm, ±90 degree, -15°C and 45°C, 5Cy. No damage, No leakage. 49kPa, D/45 x 1000N (Max.1000N), 1hr No leakage 20°C ~ 60°C, 8h/Cy 100Cy. Then fill 49kPa air-pressure, No leakage. 10.5kg, 0.3m @-10C. 10.5kg, 0.3	Cable fixture (bend)	49kPa, ±90° bending radius 6D, 6Cy.	
IEC61300-2-5 No damage, No leakage. Cable axial tension 49kPa, D/45 x 1000N (Max.1000N), 1hr No leakage -20°C ~ 60°C, 8h/Cy 100Cy. Then fill 49kPa air-pressure, IEC61300-2-22 No leakage. No leakage. Impact 0.5kg, 0.3m @-10C. IEC61300-2-12 No damage, No splice case degradation. Immersion Water depth 5m, 7days, No water intrusion. Air tightness 1EC61300-2-38 No leakage. No leakage. IP67 : Water proof and No effective by duct IP67 : Water proof and No effective by duct IP67 : Water proof and 45°C No leakage IP661300-2-34 No leakage IP67 5 days. IP68	IEC61300-2-37		
Cable axial tension IEC61300-2-4 49kPa, D/45 x 1000N (Max.1000N), 1hr No leakage Temperature cycling IEC61300-2-22 -20°C ~ 60°C, 8h/Cy 100Cy. Then fill 49kPa air-pressure, No leakage. Impact IEC61300-2-12 0.5kg, 0.3m @-10C. No damage, No splice case degradation. Immersion IEC61300-2-23 Water depth 5m, 7days, No water intrusion. Air tightness IEC61300-2-38 49kPa@Room temperature, 15min. No leakage. Degrees of protection (IP code) IEC60529 IP67 : Water proof and No effective by duct Compression IEC61300-2-10 1000N, 25cm², 10min, -15°C and 45°C Chemical Resistance IEC61300-2-34 pH2, pH12 for 5 days. No leakage, Visual appearance. Rust resistance Salt spray 5% NaCl for 5days,	Cable torsion	49kPa, 400mm, ±90 degree, -15°C and 45°C, 5Cy.	
IEC61300-2-4 No leakage Temperature cycling IEC61300-2-22 -20°C ~ 60°C, 8h/Cy 100Cy. Then fill 49kPa air-pressure, No leakage. Impact IEC61300-2-12 0.5kg, 0.3m @-10C. IEC61300-2-12 No damage, No splice case degradation. Immersion IEC61300-2-23 Water depth 5m, 7days, No water intrusion. Air tightness IEC61300-2-38 49kPa@Room temperature, 15min. Degrees of protection (IP code) IEC60529 IP67 : Water proof and No effective by duct Compression IEC61300-2-10 No leakage Chemical Resistance IEC61300-2-34 PH2, pH12 for 5 days. No leakage, Visual appearance. Rust resistance Salt spray 5% NaCl for 5days,	IEC61300-2-5	No damage, No leakage.	
Temperature cycling IEC61300-2-22 No leakage. Impact IEC61300-2-12 No damage, No splice case degradation. Immersion Water depth 5m, 7days, IEC61300-2-33 No water intrusion. Air tightness IEC61300-2-38 Degrees of protection (IP code) IEC60529 Compression IEC61300-2-10 Chemical Resistance IEC61300-2-34 Rust resistance Salt spray 5% NaCl for 5days, IEC61300-2-54 No leakage. IP67 : Water proof and No effective by duct IEC61300-2-34 No leakage. IEC61300-2-34 No leakage. IEC61300-2-34 No leakage, Visual appearance. IEC61300-2-35 Rust resistance Salt spray 5% NaCl for 5days,	Cable axial tension	49kPa, D/45 x 1000N (Max.1000N), 1hr	
IEC61300-2-22 No leakage.	IEC61300-2-4	No leakage	
Impact 0.5kg, 0.3m @-10C. IEC61300-2-12 No damage, No splice case degradation. Immersion Water depth 5m, 7days, IEC61300-2-23 No water intrusion. Air tightness 1EC61300-2-38 No leakage. Degrees of protection (IP code) IEC60529 IP67 : Water proof and No effective by duct Compression 1000N, 25cm², 10min, -15°C and 45°C No leakage IEC61300-2-10 No leakage Chemical Resistance PH2, pH12 for 5 days. Rust resistance Salt spray 5% NaCl for 5days,	Temperature cycling	-20°C ~ 60°C, 8h/Cy 100Cy. Then fill 49kPa air-pressure,	
IEC61300-2-12 No damage, No splice case degradation.	IEC61300-2-22	No leakage.	
Immersion	Impact	0.5kg, 0.3m @-10C.	
IEC61300-2-23 No water intrusion.	IEC61300-2-12	No damage, No splice case degradation.	
Air tightness 49kPa@Room temperature, 15min. IEC61300-2-38 No leakage. Degrees of protection (IP code) IEC60529 IP67: Water proof and No effective by duct Compression 1000N, 25cm², 10min, -15°C and 45°C IEC61300-2-10 No leakage Chemical Resistance PH2, pH12 for 5 days. IEC61300-2-34 No leakage, Visual appearance. Rust resistance Salt spray 5% NaCl for 5days,	Immersion	Water depth 5m, 7days,	
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Degrees of protection (IP code) IEC60529 Compression IEC61300-2-10 No leakage PH2, pH12 for 5 days. Rust resistance Salt spray 5% NaCl for 5 days,	Air tightness	49kPa@Room temperature, 15min.	
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IEC61300-2-10 No leakage Chemical Resistance IEC61300-2-34 pH2, pH12 for 5 days. No leakage, Visual appearance. Rust resistance Salt spray 5% NaCl for 5days,		IP67 : Water proof and No effective by duct	
Chemical Resistance pH2, pH12 for 5 days. IEC61300-2-34 No leakage, Visual appearance. Rust resistance Salt spray 5% NaCl for 5days,	Compression	1000N, 25cm ² , 10min, -15°C and 45°C	
IEC61300-2-34 No leakage, Visual appearance. Rust resistance Salt spray 5% NaCl for 5days,	IEC61300-2-10	No leakage	
Rust resistance Salt spray 5% NaCl for 5days,	Chemical Resistance	pH2, pH12 for 5 days.	
	IEC61300-2-34		
IEC61300-2-26 No rust	Rust resistance	Salt spray 5% NaCl for 5days,	
	IEC61300-2-26	No rust	

Ordering Information

Product Code



Type of fiber capacity: 12, 24, 36, 48, 72, 96, 120, 144 fibers

Number of splice tray:

1, 2, 3, 4, 5, 6

Type of splitter module (FWGC-SR15 Series) 4SP : 1 × 4 splitter module 8SP : 1 × 8 splitter module 16SP : 1 × 8 splitter module 2(8SP) : 1 × 8 splitter module × 2 sets Type of adapter Null : UPC adapter A : APC adapter Number of SC adapters: 16 pcs

Notes