

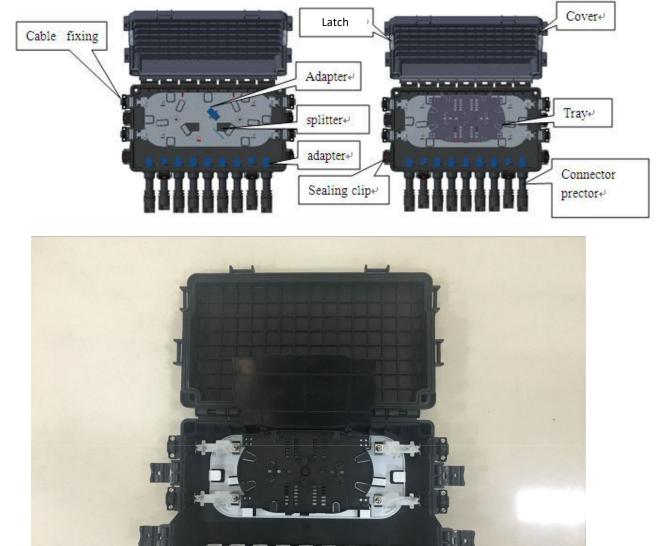
# FE-H33JF4(16)-48C type fiber optic splitter enclosure

# **1. INTRODUCTION**

**H33** provides efficient cable connections between outside feeder cable and drop cable in front of FTTX service subscribers. **H33** integrates fiber splicing, storage, cable connections and drop to the subscriber line in the

closure. It has separated parts as splicing part and connection part. The reason of why H**33** supports individual two parts, in case of subscriber line connection, can connect drop cables with feeder cable line without contact splicing part.

#### 2. PICTURES



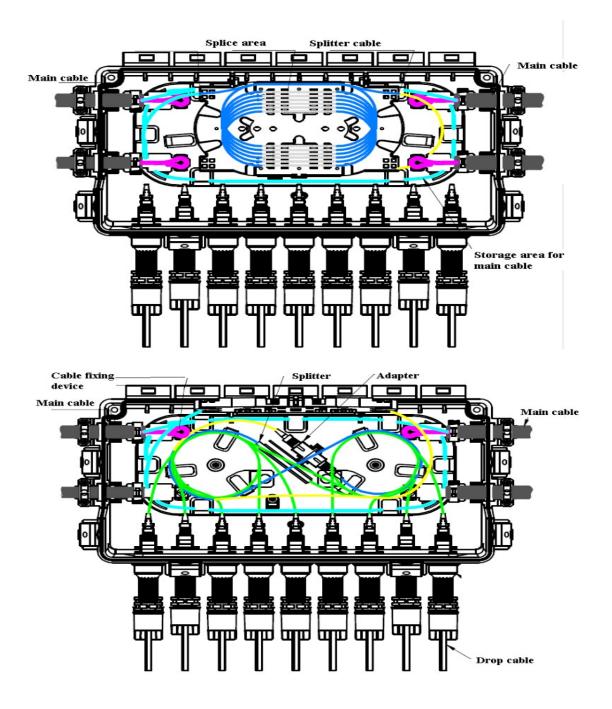


#### 3. SPECIFICATIONS

Parameter				
General	Size (W x D x H)	323x195x120mm		
	Installation	Aerial, wall & Poll mounting	Applicable temperature: -40°C~+90°C	
	Protection Grade	IP 66		
Ports	Cable Entry	Main + Distribution: 2+2		
		Drop (or Patch): 16		
	Cable diameter	Main + Distribution: Φ 6~25 Drop (or Patch): 3mm		
	(mm)			
Capacity	Capacity of core	48 cores		
Splice tray	2 trays	Max. 24 fibers/ tray	Fiber radius of curvature: ≥37.5mm	
Adaptor	18 sets SC adapt	ers max.		
Splitter	1 set 1;16 splitter or 1 set 1:8 splitter or 1 set 1:4 splitter			



4. LAYOUT





# **5 TEST REPORT**

# 5.1 Vibration test

Items			
Test Procedure	1. Fix the fiber distribution panel on the vibration tester		
	2. Vibrate for 1 hours with amplitude 1 mm, frequency 10-		
	55-10Hz in 10minutes		
	3. Check the mechanical damage		
Requirements	There should be no cracks, fractures and disconnection.		
Test Assembly			
	[Test Equipment] Vibration Tester→ HI-5050		



Thermal cycle: -40 → 0 → 70(relative humidity 80%)         2. (Maintaining 2hr         at each Temp.)         3. Temp. rising/failing: 1 °C/min         4. 10 cycling tests (17hr 12min)         5. Check corrosion and mechanical damage.         Requirements         1. There should be no corrosion         2. There should be no mechanical damage.         Test Result         1. Crossion         2. Mechanical damage         None         Direct the wind horizontally through the water spray such that         1. it impacts         the closure on the side.         2. Expose each surface of the closure the 30min.         Rainfall rate: 15cm/hrs. (5.8inchs/hr.)         Dropels size: 0.4 ~ 4.5mm (0.016-0.178 inch)         -Vind velocity: 31m/s (70mile/h)         Closure Temperatures: At least 10°C greater than the water temperature just prior to spraying.         Requirements       1. No presence of water ingress         2. There should be no mechanical damage.         Test Assembly       Image: spraying for instruction of the surface	Test Result	1. Cracks/fracture/disconnection		
Test Procedure       1. Put fiber distribution panel in the tester. Thermal cycle: -40 → 0 → 70(relative humidity 80%) 2. (Maintaining 2hr at each Temp.) 3. Temp. rising/falling: 1 °C/min 4. 10 cycling tests (17hr 12min) 5. Check corrosion and mechanical damage.         Requirements       1. There should be no corrosion 2. There should be no mechanical damage.         Test Result       1. Crossion 2. Mechanical damage         None       2. Sepose each surface of the closure the 30min. Rainfall rate: 15cm/hrs. (5.8inchs/hr.) Droptel size: 0.4 ~ 4.5mm (0.016~0.178 inch) -Wind velocity: 31m/s (70mile/h) -Closure Temperatures: At least 10°C greater than the water temperature just prior to spraying.         Requirements       1. No presence of water ingress 2. There should be no mechanical damage.         Test Assembly       50 cm (19.7 inch)         For source       50 cm (19.7 inch)         Rainmaking Tester       50 cm				
Test Procedure       1. Put fiber distribution panel in the tester. Thermal cycle: -40 → 0 → 70(relative humidity 80%) 2. (Maintaining 2hr at each Temp.) 3. Temp. rising/falling: 1 °C/min 4. 10 cycling tests (17hr 12min) 5. Check corrosion and mechanical damage.         Requirements       1. There should be no corrosion 2. There should be no mechanical damage.         Test Result       1. Crossion 2. Mechanical damage         None       2. Sepose each surface of the closure the 30min. Rainfall rate: 15cm/hrs. (5.8inchs/hr.) Droptel size: 0.4 ~ 4.5mm (0.016~0.178 inch) -Wind velocity: 31m/s (70mile/h) -Closure Temperatures: At least 10°C greater than the water temperature just prior to spraying.         Requirements       1. No presence of water ingress 2. There should be no mechanical damage.         Test Assembly       50 cm (19.7 inch)         For source       50 cm (19.7 inch)         Rainmaking Tester       50 cm				
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2. There should be no mechanical damage.       None         Test Result       1.Crossion       None         2. Mechanical damage       None         Test       Direct the wind horizontally through the water spray such that 1. it impacts       None         Procedure       Direct the wind horizontally through the water spray such that 1. it impacts       None         Procedure       Direct the wind horizontally through the water spray such that 1. it impacts       None         Procedure       Direct the wind horizontally through the water spray such that 1. it impacts       None         Procedure       Direct the wind horizontally through the water spray such that 1. it impacts       None         Procedure       Direct the wind horizontally through the water spray such that 1. it impacts       None         Procedure       Direct the wind horizontally through the water spray such that 1. No prosence of water ingress 2. There should be no mechanical damage.       Impact the spraying         Test Assembly       Impact the structure       So cm (19.7 inch)       Rainmaking Tester	Procedure	Thermal cycle: -40 → 0 → 70(relative humidity 80%) 2. (Maintaining 2hr at each Temp.) 3. Temp. rising/falling: 1 °C/min 4. 10 cycling tests (17hr 12min)		
Test Result       1.Crossion       None         2. Mechanical damage       None         Direct the wind horizontally through the water spray such that       1. it impacts         Procedure       Direct the wind horizontally through the water spray such that         1. it impacts       the closure on the side.         2. Expose each surface of the closure the 30min.       Rainfall rate: 15cm/hrs. (5.8inchs/hr.)         Oroplet size: 0.4 ~ 4.5mm (0.016~0.178 inch)       Vind velocity: 31m/s (70mile/h)         -Closure Temperatures: At least 10°C greater than the water temperature just prior to spraying.       Requirements         1. No presence of water ingress       2. There should be no mechanical damage.         Test Assembly       Image: Some spraying structure ingress         2. There should be no mechanical damage.       Rainmaking Tester	Requirements	1. There should be no corrosion		
2. Mechanical damage       None         Direct the wind horizontally through the water spray such that 1. it impacts       Direct the wind horizontally through the water spray such that 1. it impacts         Procedure       2. Expose each surface of the closure the 30min. Rainfall rate: 15cm/hrs. (5.8inchs/hr.)         Droplet size: 0.4 ~ 4.5mm (0.016~0.178 inch)         Wind velocity: 31m/s (70mile/h)         Closure Temperatures: At least 10°C greater than the water temperature just prior to spraying.         Requirements       1. No presence of water ingress         2. There should be no mechanical damage.         Test Assembly       50 cm (19.7 inch)         Great Assembly       50 cm (19.7 inch)         Rainmaking Tester       Rainmaking Tester		2. There should be no mechanical damage.		
2. Mechanical damage       None         Direct the wind horizontally through the water spray such that 1. it impacts       Direct the wind horizontally through the water spray such that 1. it impacts         Procedure       2. Expose each surface of the closure the 30min. Rainfall rate: 15cm/hrs. (5.8inchs/hr.)         Droplet size: 0.4 ~ 4.5mm (0.016~0.178 inch)         Wind velocity: 31m/s (70mile/h)         Closure Temperatures: At least 10°C greater than the water temperature just prior to spraying.         Requirements       1. No presence of water ingress         2. There should be no mechanical damage.         Test Assembly       50 cm (19.7 inch)         Great Assembly       50 cm (19.7 inch)         Rainmaking Tester       Rainmaking Tester	Test Result		None	
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2. Expose each surface of the closure the 30min.         .Rainfall rate: 15cm/hrs. (5.8inchs/hr.)         .Droplet size: 0.4 ~ 4.5mm (0.016~0.178 inch)         .Wind velocity: 31m/s (70mile/h)         .Closure Temperature         just prior to spraying.         Requirements         1. No presence of water ingress         2. There should be no mechanical damage.         Test Assembly         Image: Closure Temperature         Closure To spraying.         Requirements         1. No presence of water ingress         2. There should be no mechanical damage.         Test Assembly         Image: Closure Temperature         Image: Closure Temperature         Image: Closure Supervisition of the closure of the closure         Reading Tester				
2. There should be no mechanical damage. Test Assembly		<ul> <li>Rainfall rate: 15cm/hrs. (5.8inchs/hr.)</li> <li>Droplet size: 0.4 ~ 4.5mm (0.016~0.178 inch)</li> <li>Wind velocity: 31m/s (70mile/h)</li> <li>Closure Temperatures: At least 10°C greater than the water temperature</li> </ul>		
50 cm (19.7 inch)	Requirements			
	Test Assembly	50 cm (19.7 inch)		
Lott Kotult   Judamont   DACC	Test Result	Judgment	PASS	



# 6. KIT CONTENT

1	Closure body	Cover/middle part/base	1 set
2	Splice tray	Splice tray	1 set
		Mounting kits (Standard kits)	1 set
4	Mounting kits	Wall mounting kits (optional)	1 set
		Fiber splice tube	24 pcs
4	Splice kit bag	Cable tie	2 pcs
	Main cable fixing accessories	Sand paper0#	1 pc
5		M4X10 screws	12 pcs
7	Self-sealing tape	Self-sealing tape	1 roll
8	Sealing rubbers	Sealing rubbers	4 sets

