



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# 3M™ Fiber Dome Stubbed Terminal FDST 08

## Designed for the 3M™ External Cable Assembly Module (ECAM) FD Factory Terminated Fiber Drop or Field Terminated Drops

The compact 3M™ Fiber Dome Stubbed Terminal FDST 08 is designed to be deployed in outside plant FTTP, ITS, DAS, and mobile backhaul networks. The re-entable hermetically sealed fiber dome terminal can be deployed in aerial, buried above-grade and buried below-grade applications.

The FDST 08 terminal accommodates 4, 6 or 8 3M™ External Cable Assembly Module (ECAM) FD Factory Terminated SC/APC or SC/UPC Fiber Drops or field terminated drops. In the FDST 08 terminal, the drop cable is terminated inside the terminal. This helps to reduce the potential for connector contamination.

The FDST 08 terminal features a fixed O-ring sealing system along with an innovative latching mechanism. This combination provides simple, virtually error-free terminal sealing and re-entry. Also, the re-entry feature allows easy access to clean and repair connectors and replace the terminal or terminal tail in the event that either of these are damaged. The FDST 08 terminals are Rural Development (RUS) listed.

## Field Drop Terminations

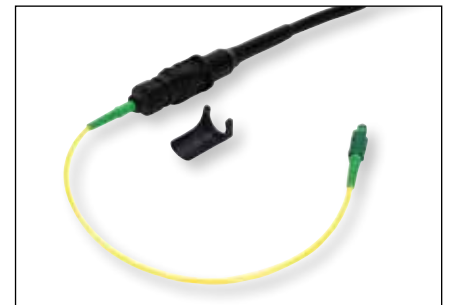
For field terminated drop terminations, the FDST 08 terminal utilizes the 3M External Cable Assembly Module (ECAM) built-in drop entry port system. The ECAM module design allows true plug-and-play capability which may help reduce installation and labor costs because the drop preparation and installation are completed outside of the terminal closure body. Also, the built-in cable entry system allows the technician to add and remove drops from the terminal closures without disturbing previously installed drops.

## Factory-Terminated Drop Terminations

For factory-terminated drop terminations, the FDST 08 terminal utilizes the 3M™ External Cable Assembly Module (ECAM) FD Factory-Terminated Fiber Drop Cable. The 3M ECAM FD module is a factory-terminated drop cable with SC connectors on one or both ends. It is available with SC/APC or SC/UPC connectors and in lengths ranging from 50 to 2,500 feet (15 to 760 m). The innovative design of the ECAM FD drop cable allows the SC connector to be replaced with a field assembled connector thus allowing the drop cable to be salvaged if the SC connector is damaged. The ECAM FD module is shipped with a pulling sock to protect the drop and to allow the drop to be pulled through trees and conduit.



3M™ Fiber Dome Stubbed Terminal FDST 08 with the 3M™ External Cable Assembly Module (ECAM) FD Factory Terminated Fiber Drop



3M™ External Cable Assembly Module (ECAM) FD Factory Terminated Fiber Drop

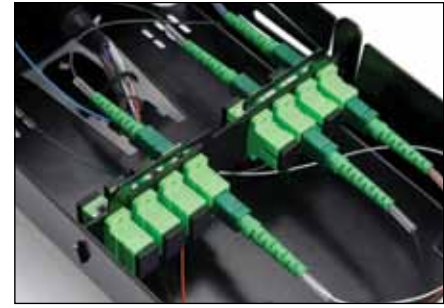


3M™ 12 mm External Cable Assembly Module (ECAM) Cable Entry Port



## Loopback Qualification Testing Option

The 3M™ Fiber Dome Stubbed Terminal FDST 08 can be purchased with a factory-installed loopback qualification testing configuration. This configuration allows bi-directional qualification testing from the Fiber Distribution Hub (FDH) to the FDST 08 with only one technician and one test set. The configuration uses the couplings in the interconnection panel of the FDST 08 terminal to loop a single distribution fiber with a connectorized end from the FDH to the FDST 08 terminal to another fiber terminated in the same terminal to conduct the bi-directional testing. The fibers are set up in a loopback configuration in the factory and upon service activation, the connectorized fiber is moved into service mode by the installer. This feature helps to reduce the overall cost to commission a FTTP network.



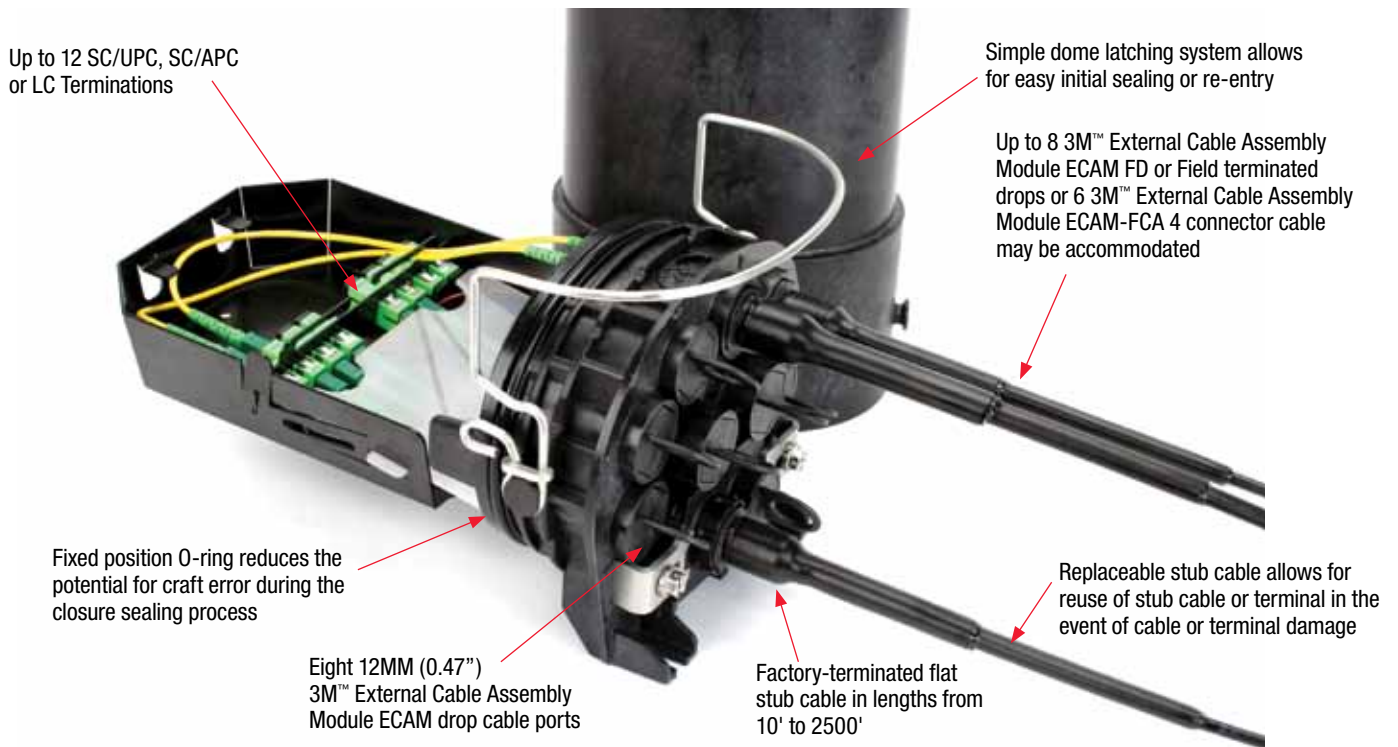
3M™ Fiber Dome Stubbed Terminal FDST 08 loopback testing feature

Features	Benefits
<b>Re-enterable terminal</b>	Allows easy access to clean and repair connectors
<b>Replaceable terminal and terminal stub tails</b>	Allows the terminal or terminal tail to be re-used if either of these are damaged.
<b>Additional protection for the fiber connector</b>	Helps reduce the potential for connector contamination
<b>Loopback testing</b>	Allows for one-person qualification testing from the FDH to the terminal. This feature helps to reduce the costs to ensure that the network is ready for service activation.
<b>Field upgradeable</b>	Four port and six port versions. Can be upgraded up to eight port with additional or replacement of multifiber factory terminated stubbed cable.
<b>Compact and hermetically sealed</b>	FDST 08 terminal is designed to be deployed in most outside plant environments: aerial strand, pole pedestal and handhole/vault applications. Designed and tested to Telcorida GR-771
<b>Factory terminated stubbed cable</b>	Terminal is available with flat OSP cable with bend insensitive fibers in lengths up to 2500' (760 m). This virtually eliminates the need to splice pigtails or terminated fibers in the field and enhances network reliability/quality since the construction staff does not have to handle the connector.
<b>ECAM built-in cable entry port termination system</b>	Allows true plug and play capability without disturbing previously installed cables when adding and removing the 3M™ External Cable Assembly Module (ECAM) FCA Factory-Terminated Fiber Cable Assembly, ECAM FD Drops or field terminated drops. The factory terminated cables/drops help reduce installation and labor costs since cable assemblies are connectorized at the factory.
<b>Simple, error-free closure sealing and re-entry system</b>	Fixed O-Ring seal reduces the potential for craft error during the terminal sealing process. Innovate latching mechanism provides for simple re-entry into terminal by lifting the dome lid away from the base.
<b>Field or factory installed 3M™ PLC Splitters or CWDMs</b>	PLC splitters and CWDMs are available that can be factory or field installed.



3M™ Fiber Dome Stubbed Terminal FDST 08 with 3M™ PLC Splitter

# 3M™ Fiber Dome Stubbed Terminal FDST 08



## 3M™ Fiber Dome Stubbed Terminal FDST 08 Configuration Guide

1	2	3	4	5	6	7
<b>FDST XXX</b>	<b>X</b>	<b>XX</b>	<b>X</b>	<b>XX</b>	<b>XXXX</b>	<b>X</b>
<b>1 Terminal Size</b>	<b>08 13.0" x 7.2" x 6.0" (330.0 mm x 182.0 mm x 151.0 mm)</b>			<b>5 # of Fibers</b>	<b>1, 4, 6, 8, 12</b>	
<b>2 Drop Termination Type</b>	<b>A ECAM, SC/APC</b>			<b>6 Cable Length - feet (meters)</b>	<b>0050 50 feet (15 m)</b>	
	<b>B ECAM, SC/UPC</b>				<b>0080 82 feet (25 m)</b>	
	<b>C ECAM, LC/APC</b>				<b>0100 100 feet (30 m)</b>	
	<b>D ECAM, LC/UPC</b>				<b>0150 150 feet (45 m)</b>	
	<b>E ECAM, ST</b>				<b>0200 200 feet (60 m)</b>	
	<b>F ECAM, FC</b>				<b>0250 250 feet (75 m)</b>	
	<b>N Bare Fiber</b>				<b>0300 300 feet (90 m)</b>	
<b>3 # of Drop Ports</b>	<b>2, 4, 6, 8, 12</b>				<b>0350 350 feet (105 m)</b>	
					<b>0400 400 feet (120 m)</b>	
<b>4 Cable &amp; Fiber Type</b>	<b>A Flat - Dielectric, single, 250 μm fiber</b>				<b>0450 450 feet (135 m)</b>	
	<b>B Flat - Dielectric, ribbon, 250 μm fiber</b>				<b>0500 500 feet (150 m)</b>	
	<b>C Flat - Tenable, single, 250 μm fiber</b>				<b>0700 700 feet (210 m)</b>	
	<b>D Flat - Tenable, ribbon, 250 μm fiber</b>				<b>1000 1000 feet (305 m)</b>	
	<b>E Round - Dielectric, single, outdoor, 250 μm fiber</b>				<b>1500 1500 feet (450 m)</b>	
	<b>F Round - Dielectric, single, riser rated</b>				<b>2000 2000 feet (610 m)</b>	
	<b>G Round - Dielectric, single, plenum rated</b>			<b>7 Special Features</b>	<b>N None</b>	
					<b>A Loopback Testing</b>	
					<b>B 1x4 PLC Splitter, SC/APC</b>	
					<b>C 1x8 PLC Splitter, SC/APC</b>	

## 3M™ Fiber Dome Stubbed Terminal FDST 08

Specifications	
<b>Dimensions: (L x W x H) mm (in)</b>	305 x 184 x 152 (13.0 x 7.25 x 6.0)
<b># of Drop Terminations</b>	4, 6, or 8
<b>Drop Termination Method</b>	Factory Terminated Drop - ECAM-FD Drop, ECAM-FCA; Field Terminated Drop
<b>Connector Type*</b>	SC/APC, SC/UPC, LC
<b>Stub Cable Lengths</b>	50' (15 m) to 2500' (760 m)
<b>Cable Type</b>	Dielectric Flat Cable Tunable Flat Cable
<b>Fiber Type</b>	Single, bend insensitive fiber
<b>Cable &amp; Assembly Specifications</b>	Cable Compliance: Telcordia GR-20 Connector Tested to: Telcordia GR-326 Terminal Tested to: Telcordia GR-771

\* Available with other types of connectors (LC, ST, FC)

## Accessories

Product Number	Product Description	3M ID	Minimum Order
ECAM-12MM-MF-US	12 mm ECAM Single Cable Entry Port for Miniflex Duct 8 mm	80-6113-3621-7	8
ECAM-12MM-FLAT-US	12 mm ECAM Single Cable Entry Port for 1 or 2 Flat Cables	80-6113-2649-9	8
FDT-08-PED-CH	FD 08 Pedestal Mounting Bracket for 10" Channell Pedestal	80-6113-1720-9	2
FDT-08-PED-CI	FD 08 Pedestal Mounting Bracket for Charles Industries 8" Pedestal	80-6113-1721-7	2
FDST/FDT-08M-AERIAL-SHB	Aerial Strand Mount Hanger Bracket for FDST 08 & FDT 08M	80-6113-3206-7	3
FDST/FDT-08-POLE/PED-HB	Pole Mount, Wall Mount, BD4,BD5, Channel MAH100 Pedestal Mount Bracket for FDST 08, FDT 08M & FDT 08S	80-6113-3205-9	3

For configurations and additional ordering information contact 1800.426.8688 or your Authorized Distributor.

3M is a trademark of 3M Company.

## Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

### Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of 12 months from the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any loss or damage arising from this 3M product, whether indirect, special, incidental or consequential regardless of the legal theory asserted.**



### Communication Markets Division

6801 River Place Blvd.  
Austin, TX 78726-9000  
800/426 8688  
Fax 800/626 0329  
www.3M.com/Telecom

Please recycle. Printed in USA.  
© 3M 2011. All rights reserved.  
80-6113-2818-0