

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

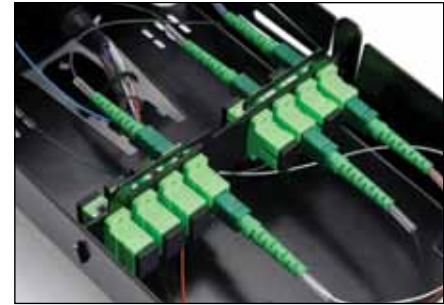


3M™ 12 mm External Cable Assembly Module (ECAM) Cable Entry Port



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.



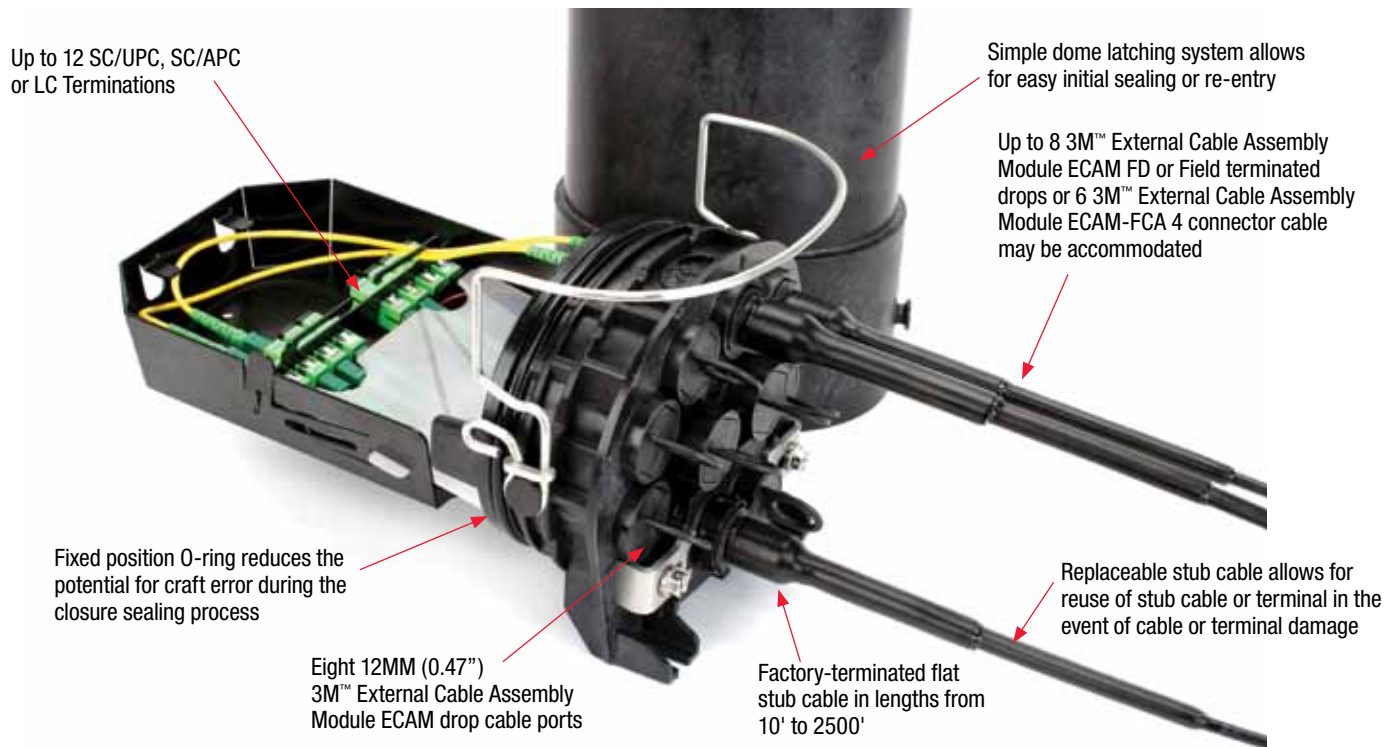
3M™ Fiber Dome Stubbed Terminal FDST 08 loopback testing feature

Features	Benefits
Re-enterable terminal	Allows easy access to clean and repair connectors
Replaceable terminal and terminal stub tails	Allows the terminal or terminal tail to be re-used if either of these are damaged.
Additional protection for the fiber connector	Helps reduce the potential for connector contamination
Loopback testing	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.
Field upgradeable	Four port and six port versions. Can be upgraded up to eight port with additional or replacement of multifiber factory terminated stubbed cable.
Compact and hermetically sealed	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
Factory terminated stubbed cable	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.
ECAM built-in cable entry port termination system	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.
Simple, error-free closure sealing and re-entry system	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.
Field or factory installed 3M™ PLC Splitters or CWDMs	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
FDST XXX	X	XX	X	XX	XXXX	X
1 Terminal Size	08 13.0" x 7.2" x 6.0" (330.0 mm x 182.0 mm x 151.0 mm)			5 # of Fibers	1, 4, 6, 8, 12	
2 Drop Termination Type	A ECAM, SC/APC B ECAM, SC/UPC C ECAM, LC/APC D ECAM, LC/UPC E ECAM, ST F ECAM, FC N Bare Fiber			6 Cable Length - feet (meters)	0050 50 feet (15 m) 0080 82 feet (25 m) 0100 100 feet (30 m) 0150 150 feet (45 m) 0200 200 feet (60 m) 0250 250 feet (75 m) 0300 300 feet (90 m) 0350 350 feet (105 m) 0400 400 feet (120 m) 0450 450 feet (135 m) 0500 500 feet (150 m) 0700 700 feet (210 m) 1000 1000 feet (305 m) 1500 1500 feet (450 m) 2000 2000 feet (610 m) 2500 2500 feet (760 m)	
3 # of Drop Ports	2, 4, 6, 8, 12			7 Special Features	N None A Loopback Testing B 1x4 PLC Splitter, SC/APC C 1x8 PLC Splitter, SC/APC	
4 Cable & Fiber Type	A Flat - Dielectric, single, 250 μm fiber B Flat - Dielectric, ribbon, 250 μm fiber C Flat - Tenable, single, 250 μm fiber D Flat - Tenable, ribbon, 250 μm fiber E Round - Dielectric, single, outdoor, 250 μm fiber F Round - Dielectric, single, riser rated G Round - Dielectric, single, plenum rated					

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

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