

CHARLES FIBER DISTRIBUTION HUBS

A fiber distribution hub (FDH) is an enclosure that provides the connection between fiber optic cables and splitters in passive optical networks (PON). FDH enclosures make servicing and reconfiguring connections fast and easy, and serve as a convenient testing point. They are commonly used to distribute fiber at residential, business, campus and multi-dwelling unit (MDU) premises.

Charles Industries has worked with our customers to develop a full line of flexible, scalable FDH solutions for all types of indoor and outdoor placements. Our solutions use common hardware and methods to improve technicians' ability to consistently and rapidly install FDH deployments whether indoors or out; on pads, poles, walls or pedestals.

CHARLES INDOOR FDH SOLUTIONS

CFBT-HC Fiber Hub Compact

Powder-coated aluminum wall mount cabinet houses up to five hinged splice trays, two 1x32 splitters and a 48 port bulkhead. 18"Hx15"Wx7"D, 15 lbs.



Up to 48 Ports

CFBT-HX Fiber Hub Expanded

Powder-coated aluminum wall mount cabinet houses up to 13 hinged splice trays, five 1x32 splitters and a 144 port bulkhead. 22"Hx22"Wx9.5"D, 25 lbs.



Up to 144 Ports

CFBT-HS Fiber Hub Standard

Powder-coated aluminum wall mount cabinet houses up to nine hinged splice trays, three 1x32 splitters and a 96 port bulkhead. 20"Hx20"Wx7"D, 20 lbs.



Up to 96 Ports

CFBT-HU Fiber Hub Ultra

Powder-coated aluminum wall mount cabinet houses up to 26 hinged splice trays, twelve 1x32 splitters and a 384 port bulkhead. 41"Hx26"Wx10"D, 40 lbs.



Up to 384 Ports

INDOOR/OUTDOOR

CFIT-Flex Compact Fiber Hub Terminal

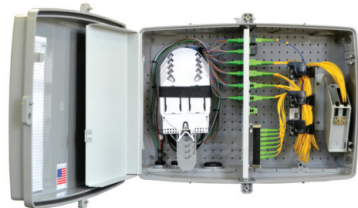
A compact, non-metallic, indoor/outdoor FDH enclosure with a 32 port fiber bulkhead. Superior technician access and fiber routing set this enclosure apart for its small size. 15"Hx12"Wx5.5"D, 4 lbs.



Up to 32 Ports

CFIT-Flex Standard Fiber Hub Terminal

A compact, non-metallic, indoor/outdoor FDH enclosure with 64 port fiber bulkhead. Includes splitter holder and cable management guides. 16"Hx22"Wx8"D, 9 lbs.



Up to 64 Ports

CHARLES OUTDOOR FDH SOLUTIONS

CFIT-HC Fiber Hub Compact

Weatherproof, powder-coated welded aluminum cabinet with mounting brackets houses up to five hinged splice trays, two 1x32 splitters and a 48 port bulkhead. 18"Hx15"Wx8"D, 17 lbs.



Up to 48 Ports

CFIT-HS Fiber Hub Standard

Weatherproof, powder-coated welded aluminum cabinet with mounting brackets houses up to nine hinged splice trays, three 1x32 splitters and a 96 port bulkhead. 20"Hx20"Wx9.5"D, 25 lbs.



Up to 96 Ports

CFFP Fiber Flexibility Pedestals

Buried distribution pedestal design offers flexible placement opportunities in OSP networks at a fraction of the cost of metallic padmount FDH cabinets. Unlike cabinets, the non-metallic one-piece locking dome design creates a floodproof enclosure. CFFP are available in four sizes: 8" diameter with 72 ports, 10" diameter with 96 ports, 12" diameter with 144 ports, and 12" diameter (extended dome) with 288 ports. A patch and splice CFFP pedestal option is available for small hub applications (up to 96 ports).

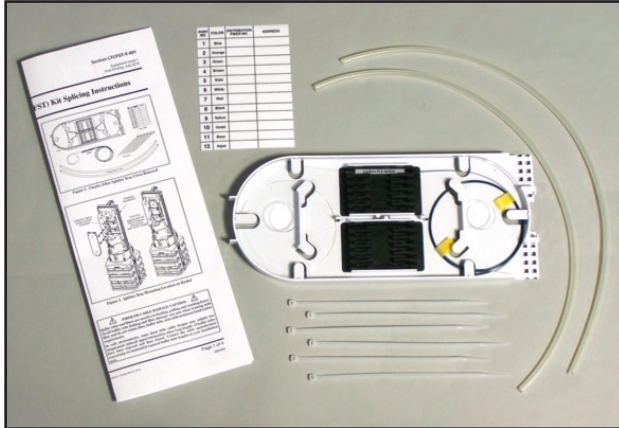


Up to 288 Ports

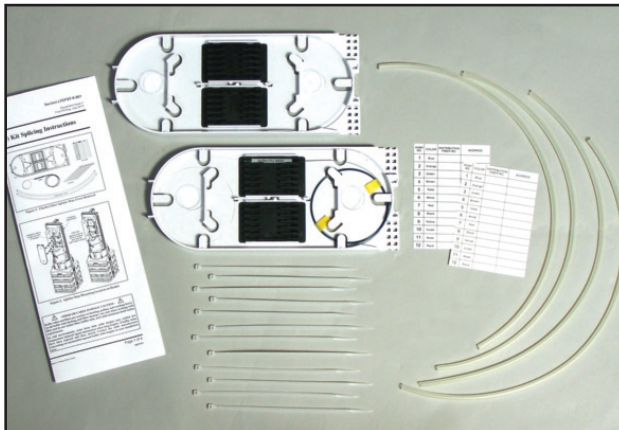
CHARLES FIBER SPLITTER TRAYS AND SPLITTER MODULES

Charles Fiber Splitter Trays (CFST) may be used in pedestals and indoor/outdoor cabinets to splice splitter input fibers and output fibers with the cable management and ease of access a tray provides. CFST feature an operating wavelength of 1260-1650 nm, and are GR-1221-CORE and GR-1209-CORE compliant.

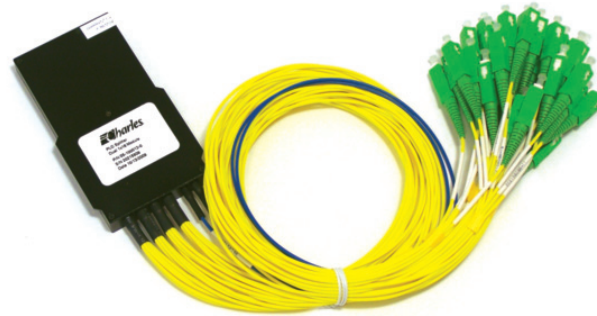
Charles Fiber Splitter Modules (CFSM) are plug & play modules that may be used in cabinet enclosures, terminals and pedestals to split the optic signal in passive optical networks (PON). CFSM feature SC/APC connectors and an operating wavelength of 1260-1650 nm, and are GR-1221-CORE and GR-1209-CORE compliant.



1x4, 1x8, 1x12 and 1x16 CFST Splitter Trays
include one splice tray, two transportation tubes, six tie-wraps, tray label and splicing instructions



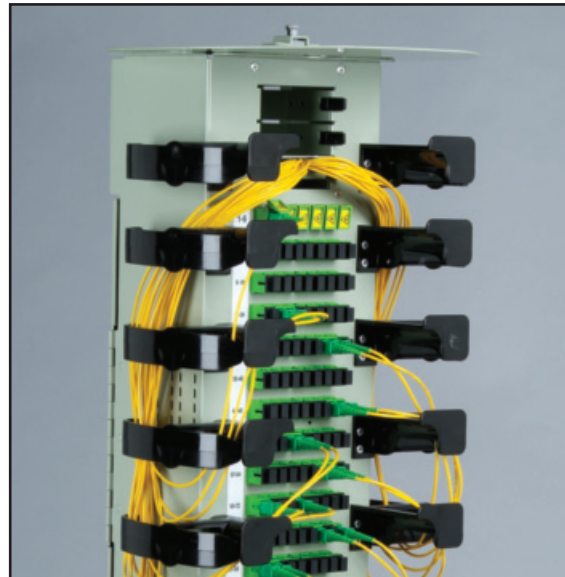
1x24 and 1x32 CFST Splitter Trays
include two splice trays, four transportation tubes, twelve tie-wraps, tray label and splicing instructions



1x16 and 1x32 CFSM-FP Splitter Modules
Fit Charles Fiber Flexibility Pedestals (CFFP)



1x16, 1x32 and 2x32 CFSM-FM Splitter Modules
Fit Charles Fiber Interconnect Terminals (CFIT), Charles Fiber Building Terminals (CFBT), and CFIT-Flex Compact and Standard Enclosures



Charles Fiber Splitter Module (CFSM-FP) in a Charles Fiber Flexibility Pedestal (CFFP)



Charles Fiber Splitter Module (CFSM-FM) in a Charles Fiber Building Terminal (CFBT)