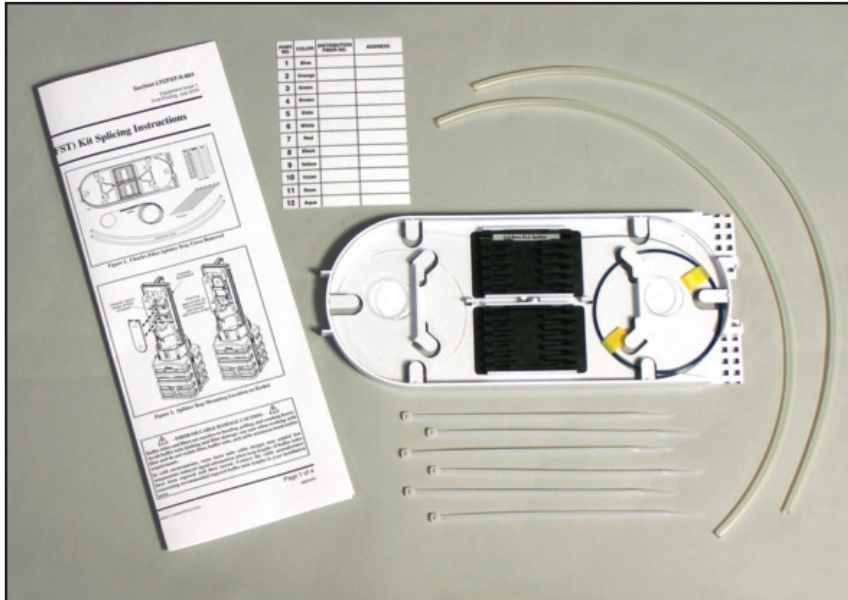# Charles Fiber Splitter Trays (CFST)

Charles Fiber Splitter Trays are used by FTTX network engineers to deploy a distributed split architecture utilizing standard fiber distribution pedestals, such as Charles Fiber Distribution Point (CFDP) or Buried Distribution Optical (BDO) pedestals; or fiber cabinet such as the Charles Fiber Interconnect Terminal (CFIT), Charles Fiber Building Terminal (CFBT) or a Charles Universal Broadband Enclosure (CUBE).

The splitter tray kit includes a PLC splitter mounted in either a 4"x6" or 4"x9" Charles Fiber Splice Tray. The splitter tray kits are available with 250-micron bare fiber input and output stubs or a 250µm input fiber stubs with 900µm SC/APC connectorized output pigtails. Bare fiber kits include transportation tubes to allow for safe fiber ingress into and egress out of the tray (where necessary). Cable ties are provided with all kits for securing buffer or transport tubes to attachment points on the tray.

Tray Size Compatibility for select Charles' Pedestal and Terminal Product Series

Charles Product Series	Tray Size	
	4"x6"	4"x9"
CFDP/BDO		✓
CFIT		✓
CFBT		✓
CFIT-SL		✓
CFIT-FC	✓	
CFIT-FS	✓	
FCH	✓	

Split Ratio		1x2	1x4	1x8	1x16	1x32
Operating Wavelength	nm	1260 - 1650				
Maximum Insertion Loss	dB	4.0	8.0	11.5	13.5	16.5
Uniformity	dB	0.5	0.6	0.8	1.2	1.7
Return Loss	dB	>55				
Directivity	dB	>55				
PDL	dB	0.2	0.2	0.3	0.3	0.3
Return Loss (SC/APC)	dB	>65				

Compliances:
• Splitters are Telcordia GR-1209-CORE and GR-1221-CORE compliant
• Fiber input and outputs are ITU-T G.657 Class A type bend insensitive fibers

Fiber Routing

Please refer to *Charles Fiber Splitter Tray (CFST) Kit Splicing Instructions* (document #LTCFST-X-801) for fiber routing instructions and diagrams. A copy of this document is included in the packaging of each splitter tray.

Charles

Ordering Information

SPLITTER TRAY WITH BARE FIBER INPUT AND OUTPUTS
Each kit includes: 1xN PLC splitter mounted on a Charles Industries' 4"x6" or 4"x9" splice tray, tray hinge, 2 transportation tubes, 6 tie wraps, address label and instructions.
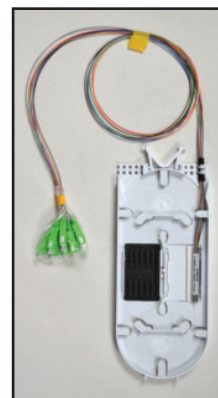
Description	4"x6" Hinged Tray Part #	4"x9" Hinged Tray Part #
1x2 split	CFST-S110200	CFST-A110200
1x4 split	CFST-S110400	CFST-A110400
1x8 split	CFST-S110800	CFST-A110800
1x16 split	CFST-S111600	CFST-A111600
1x32 split*	CFST-S113200	CFST-A113200

*Includes second splice tray, additional 2 transport tubes and 6 tie wraps

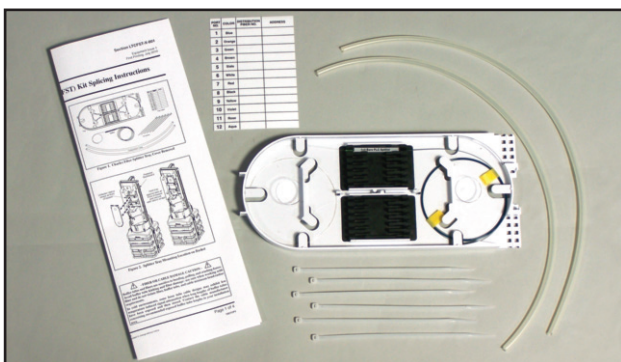## SPLITTER TRAY WITH BARE FIBER INPUT, CONNECTORIZED PIGTAIL OUTPUTS
Each kit includes: 1xN PLC splitter mounted on a Charles Industries' 4"x6" or 4"x9" splice tray, 250µm input stub, SC/APC 900µm 22" long output pigtails, tray hinge, 6 tie wraps, address label and instructions.

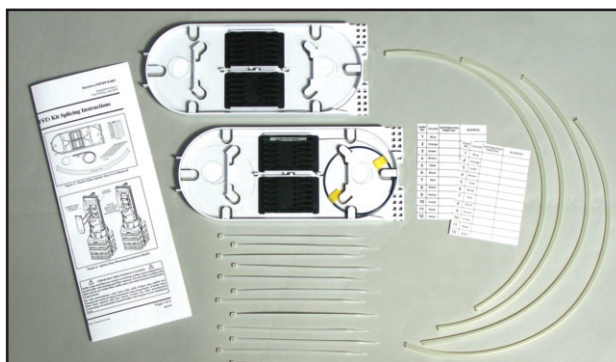| Description	4"x6" Hinged Tray Part #	4"x9" Hinged Tray Part #
1x2 split	CFST-S11020A	CFST-A11020A
1x4 split	CFST-S11040A	CFST-A11040A
1x8 split	CFST-S11080A	CFST-A11080A
1x16 split	CFST-S11160A	CFST-A11160A
1x32 split	CFST-S11320A	CFST-A11320A

ACCESSORIES

97-FIBR24TRAY	Charles Fiber Splice Tray, 12 or 24 splices, 9.5"x4"x0.5"
97-FIBR24HTRAY	Charles Fiber Splice Tray, Tray Hinge, 12 or 24 splices, 9.5"x4"x0.6"
97-FELT1W30FT	Felt for Buffer Tube Strain Relief at attachment point, 1" x 30 ft. roll, adhesive back

1x2, 1x4, 1x8, and 1x16 CFST Kits include one splice tray, two transportation tubes (bare fiber output kits only), six tie-wraps, tray label and splicing instructions.

1x32 CFST Kits (bare fiber output kits only) include two splice trays, four transportation tubes, twelve tie-wraps, tray label and splicing instructions.

Dependable Solutions, Superior Support

- Field-proven and unequaled 24-hour technical support
- Individualized application consultation
- Superior quality (ISO 9001/TL 9000 registered)

Visit our website at http://www.charlesindustries.com

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