

E-Series Optical Distribution System

Flexible Front Access Tray-Based Patch, Splice and Storage Solution

Overview

For central office fiber applications that require front access, Telect's E-Series tray-based optical distribution systems provides an optimal blend of high density, cable management and simplified usage in a flexible platform. E-Series is a strong fit in locations where optical traffic is likely to be interrupted by adds, drops and regular maintenance. It has been heavily adopted in European applications and is an ideal ODF for European-style bays and cabinets.

Primary Benefits

- Advanced bend radius protection, port isolation and defined cable paths provide simple access to targeted ports
- Patented fiber management chains maintain cable bend radius and protect each fiber as trays are accessed
- Elevating adapters increase accessibility to individual circuits, maximizing usable space while protecting others
- Scalable from 12 to 144 fiber terminations in a single chassis
- Order with multifiber cable pre-terminated at the factory for increased reliability and reduced installation time
- Build a system to fit the specifics of your application — components include chassis and individual patch, splice and storage trays

Applications

- Central office/exchange room
- Outside plant
- Enterprise
- FTTx
- CATV



1 RU Chassis with 24-fiber patch and splice tray



4 RU Chassis with six patch trays



Side view of a 2 RU chassis showing cable management arcs

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Patch Trays

Pre-configured patch trays help to minimize installation time. All standard network capacities and connector types are available.



24-port SC/UPC patch tray

Description	Part Number
12-port SC/UPC	ESTF-P012-USC-000
24-port SC/UPC	ESTF-P024-USC-000
12-port SC/APC	ESTF-P012-ASC-000
24-port SC/APC	ESTF-P024-ASC-000
12-port FC/UPC	ESTF-P012-UFC-000
24-port FC/UPC	ESTF-P024-UFC-000
12-port LC/UPC	ESTF-P012-ULC-000
24-port LC/UPC	ESTF-P024-ULC-000
12-port LC/APC	ESTF-P012-ALC-000
24-port LC/APC	ESTF-P024-ALC-000
12-port E2000/APC	ESTF-P012-AE2-000
24-port E2000/APC	ESTF-P024-AE2-000
12-port E2000/UPC	ESTF-P012-UE2-000
24-port E2000/UPC	ESTF-P024-UE2-000

Splice Trays

The E-Series line includes splice-only trays (with heat-shrink fusion splices) for applications where patches and splices must be segregated in separate trays. Fiber counts include 12 and 24 fibers to match trays to all standard cable counts.

Description	Part Number
12-fiber splice tray	ESTF-S012-000-000
24-fiber splice tray	ESTF-S024-000-000



12-fiber splice tray

Combination Splice and Patch Trays

Combination splice and patch trays enable high cable termination counts in minimal space. Fiber counts are scalable. Trays can be supplied loaded with pigtailed and ready for deployment.

Connectors	12-Port	24-Port
SC/UPC	ESTF-C012-USC-000	ESTF-C024-USC-000
SC/APC	ESTF-C012-ASC-000	ESTF-C024-ASC-000
FC/UPC	ESTF-C012-UFC-000	ESTF-C024-UFC-000
LC/UPC	ESTF-C012-ULC-000	ESTF-C024-ULC-000
LC/APC	ESTF-C012-ALC-000	ESTF-C024-ALC-000



12-port SC/UPC combination tray

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Storage Tray

Engineered to hold the excessive patch cord length increasingly found in today's network racks, each E-Series storage tray houses up to twenty-four 3 mm jumpers.



24-fiber storage tray

Description	Part Number
24-fiber storage tray	ESTR

Chassis

Telect E-Series chassis offer the ultimate in high cable termination density. Chassis sizes range from 1 RU to 4 RU to fit any capacity requirement and maximize rack space.



3 RU Chassis

Description	Part Number
4 RU high/6-tray chassis	ESTF-06TR-4RU
3 RU high/4-tray chassis	ESTF-04TR-3RU
2 RU high/3-tray chassis	ESTF-03TR-2RU
1 RU high/1-tray chassis	ESTF-01TR-1RU

Accessories

Tray Removal Tool

Since no network design is completely future-proof, the E-Series tray removal tool makes it simple to re-configure your E-Series ODF.



Description	Part Number
Tray removal tool	129461-1
12-fiber SC/UPC pigtail bundle	F112S-SP-M002-STPT
12-fiber SC/APC pigtail bundle	F112S-NP-M002-STPT
12-fiber FC/UPC pigtail bundle	F112S-FP-M002-STPT
12-fiber LC/UPC pigtail bundle	F112S-LP-M002-STPT
SC/UPC patch cord, 1m	F12-SSG-M001-0
SC/UPC patch cord, 2m	F12-SSG-M002-0
SC/APC patch cord, 1m	F12-NNG-M001-0
SC/APC patch cord, 2m	F12-NNG-M002-0
FC/UPC patch cord, 1m	F12-FFG-M001-0
FC/UPC patch cord, 2m	F12-FFG-M002-0
LC/UPC patch cord, 1m	F12-LLG-M001-0
LC/UPC patch cord, 2m	F12-LLG-M002-0

Pigtail Bundles

Premium Telect 2m pigtail bundles ensure that losses are kept to a minimum; each bundle includes standard EIA 12-fiber color code to simplify circuit identification.



Fiber Patch Cables

Telect recommends 2mm simplex patch cables with the E-Series ODF; custom lengths and multifiber assemblies are available upon request.



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System Specifications

Mechanical

Dimensions

4 RU Chassis:	445 mm W x 175 mm H x 264 mm D
3 RU Chassis:	445 mm W x 134 mm H x 264 mm D
2 RU Chassis:	445 mm W x 86 mm H x 264 mm D
1 RU Chassis:	445 mm W x 42 mm H x 264 mm D

Minimum bend radius	30 mm throughout system
Laser radiation protection	Adapter location prevents exposure

Connections

Termination count	12 to 144 per chassis Up to 1,440 per frame
Termination type	SC, FC, E2000, LC
Supported multifiber cables	OSP and IFC
Supported patch cables	Simplex or duplex 3 mm and 2 mm

Environmental

Humidity	0 to 90%, non-condensing
Temperature	-5° to 55° C

Compliance

Agency	Tested to ETSI specifications
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