

# CONNECTED




## FTTH Solutions

EVERY CONNECTION COUNTS



## End-to-End Solutions

 TE Connectivity offers end-to-end solutions for data- and telecommunication operators. Our technologies support a broad range of network applications that help service providers meet their customers' unrelenting demand for bandwidth.

For FTTH rollouts from the central office through the outside plant, to businesses and residences of any size or construction, TE delivers state-of-the-art connectivity solutions: easy-to-install, future-ready, with reduced installation and operating costs, and rapid ROI.

TE's fiber and cable management solutions are designed to minimize the total cost of ownership for service providers building FTTH networks.



## Central Office Solutions

### Optical Distribution Frames

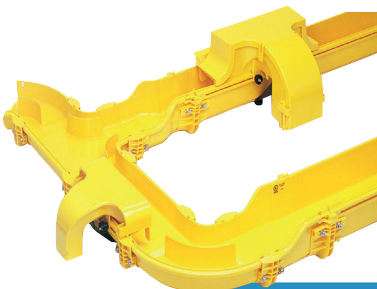
Increasing optical distribution frame density can provide significant cost-savings to the service provider. TE's Optical Distribution Frames (ODF) are designed for superior cable management and storage of cable overlengths in a small footprint while respecting bend radius requirements. We have designed modular and expandable ODFs that technicians find easy to work with - while still meeting the planning engineer's high density requirements.



**FIST-GR3**

### Raceway Systems

TE's FiberGuide system sets the industry standard for optical raceway products. It consists of a complete set of standard components designed and manufactured to ensure ease of use and total off-frame protection of fiber cables.



**FiberGuide**

## Outside Plant Solutions

### Street cabinets/ Point-of-presence (POP) houses

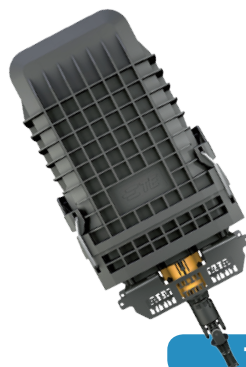
Street cabinets are available as full solutions or as building blocks and can accommodate passive and active equipment. The inside can be configured for pure fiber or a combination of copper-fiber and for spliced, cross-connect and splitter applications to serve customer-specific needs. TE also provides high-density solutions for POP houses to handle higher numbers of fibers.



**FDH-3000**

### Closures

Since 1986, TE has designed closures specifically for fiber optic applications. The closures combine proven fiber management hardware with extremely reliable sealing systems able to withstand harsh conditions in the external network and are designed for future expansion and upgrades. TE's new TENIO closure for the access network enables 30% faster deployments in 30% less space.



**TENIO**

### Terminals

TE's flexible outside plant terminals accommodate spliced, hardened and non-hardened connectorized drops. Fibers can be installed in the factory or in the field. The terminals can support integrated optical components (splitters/xWDMs). The highly reliable sealing system allows easy access for maintenance and upgrades.



**MST**

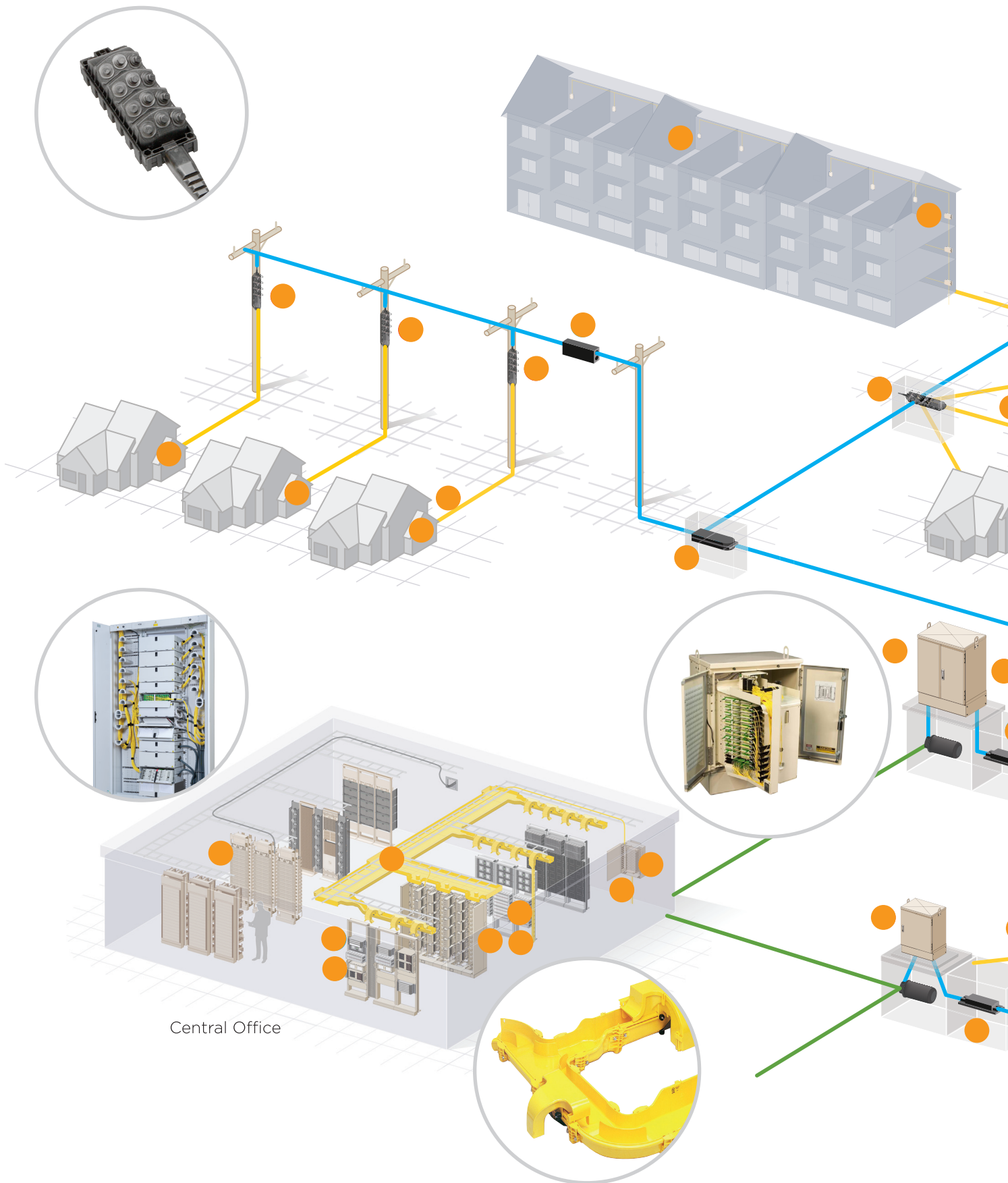
### Hardened Connectivity

TE's hardened fiber optic connector solutions are designed to speed deployment and improve cost efficiencies in FTTH networks. The solutions are environmentally sealed to protect against harsh conditions in the outside plant. The hardened connectors can be installed quickly and easily by a technician who doesn't have to be an expert in fiber splicing. TE also offers a non-hardened pre-terminated solution for outdoor use.

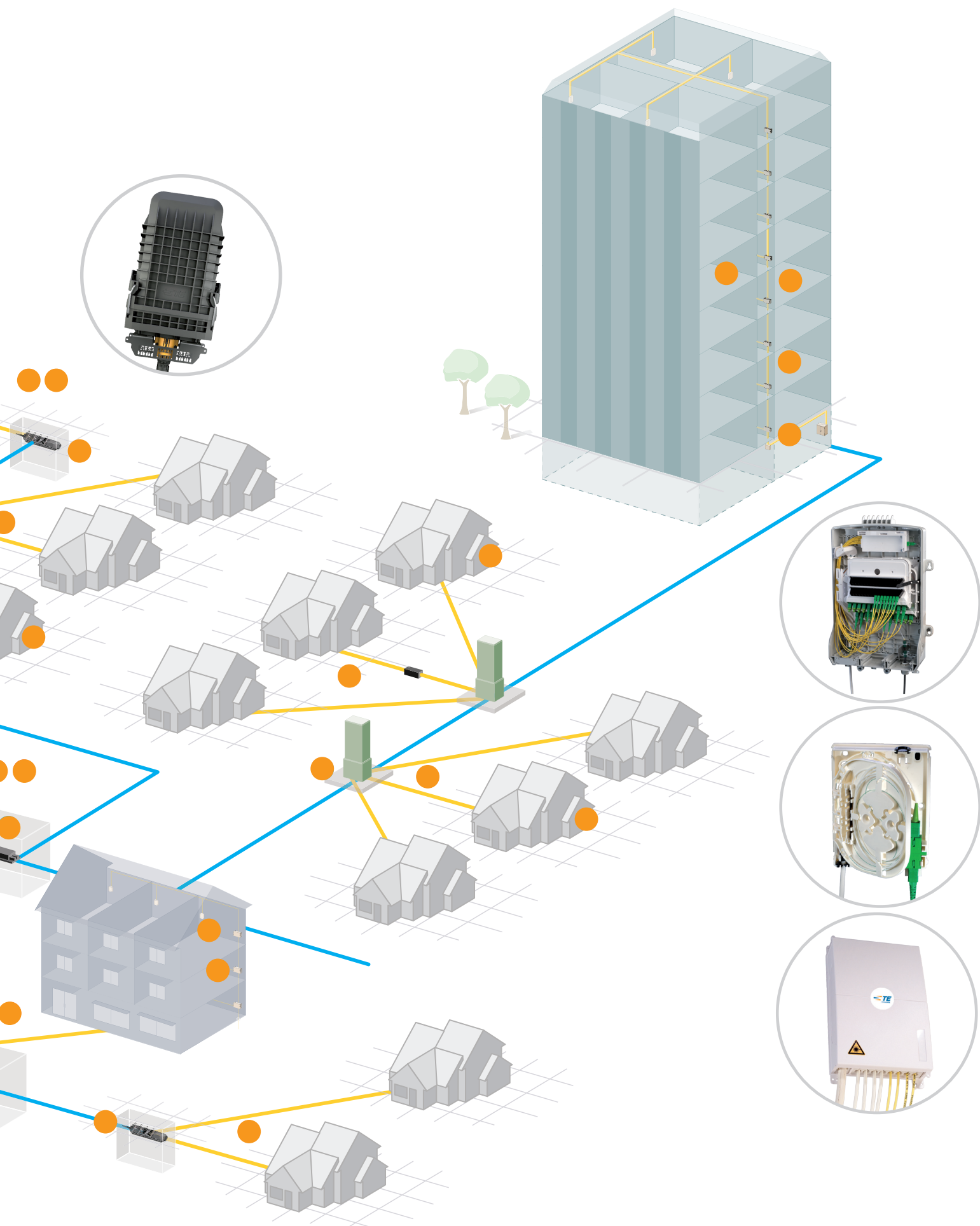


**DLX**









*All our products are RoHs compliant.*

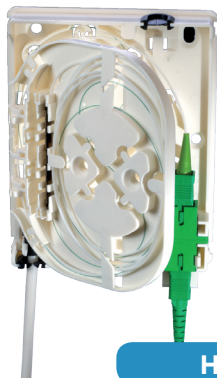
## MDU Solutions

### Enclosures

TE's multifunctional enclosures for indoor and outdoor use respond to the service providers' needs for different capacities to fit all types of Multiple Dwelling Units (MDU). Pre-connectorized plug-and-play splitter modules for fast customer provisioning in PON networks is only one example of many possible configurations. In instances where the lowest initial CAPEX is required, the same enclosure can be configured for a field spliced solution.



**BUDI**



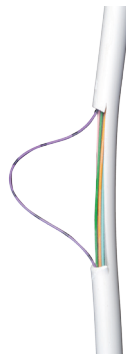
**HFTP**



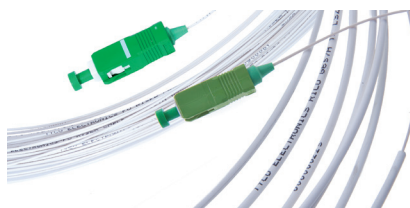
**IFDB**

### Cable Solutions

TE has developed flexible, strong horizontal and riser cabling solutions for use in MDUs that make it possible to work within a small footprint. Individually reinforced or grouped in small bundles, the cables can be manipulated in a robust and reliable way. The cable construction allows fibers or bundles to be retracted from the cable through a minimal cable incision without additional riser cable overlength storage. Once retracted, the riser fibers can be connected to horizontal fibers.



**Mini-breakout**



**PICO/RICO**

## Passive Optical Components

### Splitters and Wavelength Division Multiplexers

Splitters and xWDMs are passive optical devices that split and combine power or wavelength in fiber networks. TE has developed these components for both spliced and connectorized applications. They are easy to install, ready for future wavelengths and can be used indoors and outdoors.



**OCM6**

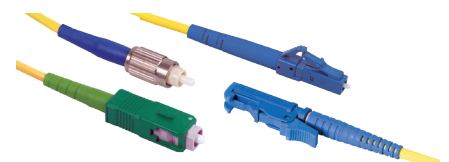
Specially designed trays contain optical components pre-installed in a robust black cassette suitable for outside plant conditions. As the fibers are attached to the cassette, it ensures failure-free installation and better protects the components against retention forces. The components can be used anywhere in the network and with a wide variety of TE products.




**FIST-FSASA3-SC**

### Pigtails and Cable Assemblies

TE offers a broad range of pigtails and cable assemblies for use in various parts of the network (indoor and outdoor). Like any other TE product, they've passed severe in-house performance controls and testing and are optimized for handling. Pigtails and cable assemblies can be delivered in different performance grades to meet different international standards such as the IEC standard.



## Innovative solutions that speed up network deployments


 As the leader in broadband connectivity, TE Connectivity delivers products and services that make fiber deployment faster, capacity greater, installation simpler and network reliability better. We connect and protect the flow of data from the central office to the home and combine connectivity and optical technologies to provide best-in-class solutions. TE offers the full range of products to meet service providers' requirements: field- and factory-installed, fusion and mechanical splice, standard and hardened connectors, etc.. Our solutions are installer-friendly, designed for greatest flexibility, independent of network topology and compatible with local regulations.

By heavily investing in innovation and developing products in cooperation with customers, TE can respond to service providers' future needs with high quality solutions.





## Smart investments lead to better service and higher profitability


 The overall cost of rolling out an FTTH-network can be reduced with smart investments.

Smart investments look beyond capital expenditure and take into account parameters that influence operational expenditure and lower the total cost of ownership.

TE's solutions provide

- ▶ fast installation and provisioning
- ▶ easy maintenance and troubleshooting
- ▶ long-term reliability

that ultimately lead to better services to the customer and higher profitability to service providers.



For more information about our solutions and services, visit [www.te.com](http://www.te.com)

