Outside plant solutions for multisystem operators
MSO: outside plant solutions
Leading innovation in fiber connectivity and cable management solutions
CommScope offers a unique and diverse product line of equipment designed for outside plant environments. Rich with industry-leading technologies, CommScope products enable customer solutions that provide superior mechanical, environmental, optical and electrical performance. These products have been designed to meet or exceed industry requirements for both below and above grade applications.
Splice closures
FOSC 400, 450, 600

FOSC splice closure accessories
OCC1C, OCC1P

FOSC tray, CWDM/DWDMs and splitters
FOSC OC

Field installable CWDMs and splitters
OCC1C, OCC1P

Compact CWDM
OCC1C, OCC1P

Indoor/outdoor customer premises closures
FibrBoss CB

Splice closures
FIBRBox

Aerial splice closures
AIR FOSC

Heat shrink sleeve
TCS2

Coax coupling closure
CERTI-SEAL

Fiber optic panels
C/DWDM, monitor, splitter

Value added modules
C/DWDM, monitor, splitter

Fiber wall boxes
Indoor and outdoor

Fiber distribution hubs
Indoor and outdoor

Hub in a Pedestal
HIP

Multiport Service Terminal
MST

Harsh environment drop cables

Power distribution panels
Splice closures
FOSC 400, 450, 600
The FOSC family of fiber optic splice closures is available with heat shrink or gel sealing technology for cable terminations. The splice closures can be used in any environment—aerial, pedestal, buried, and underground—and for numerous splice applications, including expressed, tap-off, branch and repair.

FOSC splice closure accessories
Gel drop seal
The new FOSC 450 gel drop seal solution provides an improved level of efficiency for adding up to 4 cables to a cable entry port without the need to open the existing base and gel block. Compatible with FOSC 450 B, B-Short (BS), C or D sized closure.
Fiber Optic Splice Closure Accessory (316180AE)

FOSC tray
CWDM/DWDMs and splitters
Splice trays are sized accordingly by splice closure type and number of splices. Integrated splice modules are removable and interchangeable, and accommodate mechanical, single fusion and mass fusion splices. Low optical loss CWDM and DWDM units come pre-installed on FOSC splice trays. Fiber leads can be spliced or configured with pre-installed connectors.
FOSC-OC-XC (316650AE)  FOSC-OC-XD (316652AE)

Field installable CWDM/DWDMs and splitters
OCC1C, OCC1P
CommScope has a variety of splitter, coupler and multiplexer products designed to increase capacity in key network locations. OCMX modules provide coarse or dense wavelength division multiplexing techniques to combine two or more wavelengths in one common fiber. OCC1C modules are CWDM devices designed to perform in FOSC splice closures.
CWDM  DWDM  splitters

Compact CWDM
Based on free space optics technology, the OCC1C compact CWDM Compact coarse wavelength division multiplexing modules combines (or multiplexes) two or more signals with different wavelengths in one common fiber. The same components can also be used to separate the wavelengths (de-multiplexing) at the remote location. OCC1C allows the integration of CWDM technology into Fiber Optic closures in an easy way. The OCC1C is supplied with a FOSC splice module.
OCC1C Compact CWDM (311392AE)
Indoor/outdoor customer premises closures
FibrBoss CB

The FibrBoss customer premises box platform provides a compact, low profile fiber management system for transitioning outside plant cable to inside cable and connectorized assemblies. The flexible design is intended for wall mounting applications inside or outside the customer’s premises providing a robust termination point for safely splicing and patching customers into the network.  

FibrBoss overview

Splice closures
FIBRBox

FIBRBox splice closures combine corrosion resistant materials, gasket and grommet entry points, and the familiar stair-stepped, hinging tray design in a closure that will accommodate 2 feeder cables and up to 16 drop cables (depending upon drop cable design) for the standard design.

FIBR box catalog (316546)

Aerial splice closures
AIR FOSC

AIR FOSC fiber optic splice closures are designed for aerial, strand-mount FTTH “tap” locations where drop cables are spliced to distribution cables. These free breathing closures combine CommScope’s GelGuard cable sealing gel technology and standard FOSC splice tray in a strong, rodent-proof outer body.  

Air FOSC data sheet (317452AE)

Heat shrink sleeve
TCS2

CommScope’s TCS2 cable sleeve is a crosslinked, heat-shrinkable polyolefin sleeve used for insulating and sealing underground and aerial connections in CATV plant. Such cable connections include splices, trunk amplifiers, line extenders, splitters, directional couplers, and taps. The sleeve is also used in low voltage (60-90V) electrical power distribution applications.

Heat-shrinkable cable seal data sheet (C269)

Coax coupling closure
CERTI-SEAL

The CERTI-SEAL coax coupling closure is designed for direct buried splicing of Series 59, 6, 7 and 11 coaxial cables.

CERTI-SEAL data sheet
Fiber optic panels

Fiber optic panels are used in situations when fiber counts are typically less than 96. All panel products feature four key elements of fiber cable management: bend radius protection, intuitive cable routing paths, easy cable and connector access, and physical protection. The FOP family includes: Rapid Fiber, FPX, FMT, FPL, and the FL2000.

Value added modules

Value-added modules, or VAM, add flexibility and functionality to the optical transport system by enabling telecommunications service providers to easily incorporate optical components into the network. VAM components are comprised of splitters, monitors, multiplexers, and fit into existing optical distribution frames and other mounting environments.

Fiber wall boxes

CommScope fiber wall boxes offer an unrivaled breadth of low to high density solutions with superior cable management, modular “build as you grow” flexibility, and proven reliability in a variety of fiber network applications. Many CommScope fiber wall box solutions incorporate the latest in cutting-edge technology helping to deliver unmatched savings in installation time and labor costs, fast service turn up, and optimal performance in all fiber networks.

Fiber Distribution Hubs

CommScope’s family of Fiber Distribution Hub 3000 (FDH) solutions reflects our expertise in hub distribution management with innovative products that ensure cable management, bend radius protection at every point in the hub application, and rapid connection between fiber optic cables and passive optical splitters in the outside plant network. These features combined with the benefits of high-density fiber hubs, clear routing paths, slack storage solutions, easy connector access, and simplified integration of optical components all facilitate fast service connection and reconfiguration, simplified network installations, and improved installation efficiencies in the field.
Hub in a Pedestal

HIP

The Hub in a Pedestal is the ideal solution for deploying fiber to small or rural communities consisting of 12 to 96 homes. Enclosed in a pedestal, this field-friendly unit can accommodate a variety of installation locations and needs. Hub in a Pedestal Catalog (107400AE)

Multiport Service Terminal

MST

The Multiport Service Terminal (MST) features full-sized hardened adapters in an environmentally sealed enclosure. Terminated at the factory, the MST is designed for use in a variety of drop cable applications in optical access networks. Multiport Service Terminals (317455)

Harsh environment drop cables

Terminated with a full-sized connector, Hardened drop cables reduce splice labor requirements and speeds network construction. The rugged optical connector is hardened to protect against extreme temperature, moisture, UV, chemical exposure and other harsh conditions typically found in the outside plant. Fiber drop cable assemblies overview

Power distribution panels

Power distribution panels have been engineered from the ground up to properly protect and distribute power to valuable, revenue-generating network equipment. Flexible design allows for use in CO’s, head ends, hubs and remote sites. Panels are compliant with all major standards and include a 15-year warranty. Power distribution overview
Everyone communicates. It’s the essence of the human experience. How we communicate is evolving. Technology is reshaping the way we live, learn and thrive. The epicenter of this transformation is the network—our passion. Our experts are rethinking the purpose, role and usage of networks to help our customers increase bandwidth, expand capacity, enhance efficiency, speed deployment and simplify migration. From remote cell sites to massive sports arenas, from busy airports to state-of-the-art data centers—we provide the essential expertise and vital infrastructure your business needs to succeed. The world’s most advanced networks rely on CommScope connectivity.