



E<sub>2</sub>O<sup>®</sup> solutions

Build for the future

# E<sub>2</sub>O<sup>®</sup> solutions

CommScope's "Electrical to Optical" (E<sub>2</sub>O) product line is a customer-defined solution that allows for future coaxial-to-fiber upgrades with little to no associated costs.

This family of electrical and optical hybrid products offers a combination of coaxial cable with optical fiber and/or microducts all under a common sheath. Because of this single sheath, E<sub>2</sub>O can help mitigate future installation costs while ensuring future migration strategies, including PON, RFoG and other FTTx technologies.

## E<sub>2</sub>O applications

### Commercial services

E<sub>2</sub>O products are well suited for commercial service installations.

- Install a cost-effective coaxial branch off of an HFC plant to an initial commercial customer and, at the same time, install a conduit for blown fiber and/or a fiber cable for later use when higher bandwidth services are required to the building or business park.
- Install fiber to a business park as a standard high-speed data offering and include coaxial cable under the same sheath in case the commercial customer later requests video delivery.

### HFC residential services

Whether you want to reconfigure, maintain or replace your coaxial plant, the use of E<sub>2</sub>O products helps "future proof" your efforts for when fiber is eventually needed. Whether your strategy is to install coaxial integrated with fiber or conduit for future fiber blow-in (or both!) you'll minimize your expenses by installing all under one sheath at the same time, mitigating future labor and installation costs.

E<sub>2</sub>O products can combine:

- P3<sup>®</sup>, QR<sup>®</sup>, MC<sup>2</sup><sup>®</sup> distribution coaxial
- Any count fiber cable
- Micro-duct for future micro-fiber blow in
- Standard conduit
- Can be contained by single jacket or in larger conduit (CIC)

For more information on E<sub>2</sub>O, including product specifications, images and related materials, please visit CommScope's eCatalog.

## Examples of E<sub>2</sub>O designs

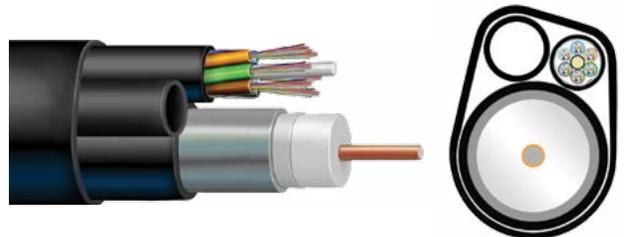
### Coaxial with micro-conduit

Blow in fiber cable later



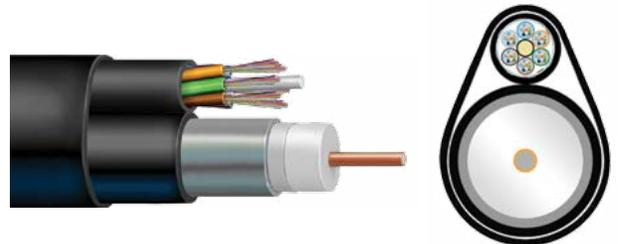
### Coaxial with micro-conduit and micro-fiber cable

Both because they always seem to not have enough fiber

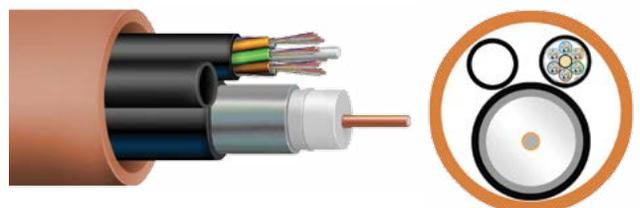


### Coaxial with micro-fiber cable

Splice fiber cable later



### Coaxial with micro-conduit and micro-fiber cable in conduit



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.



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