ofs
A Furukawa Company

Professional Services for Electric Cooperatives

About

Fiber optic communications networks are now critical infrastructure for economic competitiveness in rural areas. Electric cooperatives are ideally positioned to build and deliver next generation services to their customers in rural areas. Although co-ops have deployed fiber for years in backbone applications, designing and deploying fiber to the home (FTTH) can require a different skill set.

As an original inventor of fiber technology, OFS has a deep understanding of fiber networks and have been involved with utility-based fiber networks for decades.

As a partner and participant in large scale FTTH deployments, we know how to efficiently engineer, furnish, and install networks on both small and large scale.

Why OFS? - Services

We understand that co-op networks pose special challenges, especially in areas of very low customer density. OFS has supplied fiber optic products for electricity providers for over 30 years.

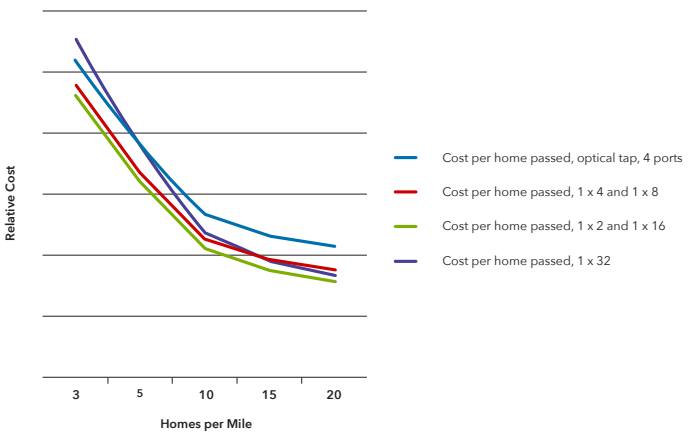
We have a deep understanding of different FTTH architectures and are experts in the design and deployment of distributed split Passive Optical (PON) Networks. Distributed split networks are often the best choice for networks with high subscription rates, but low density, common with electrical co-op deployments.

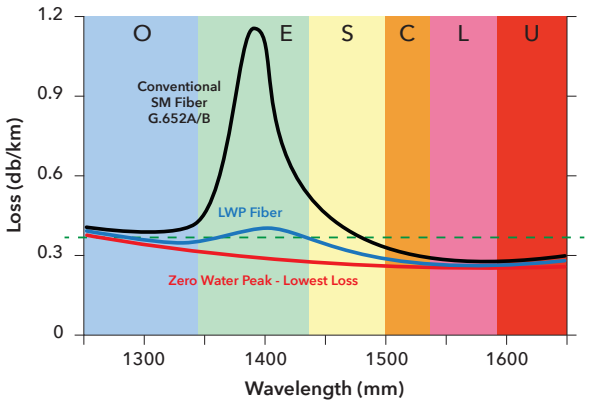
OFS uses techniques that significantly improve network efficiency, meaning that we can often design and deploy a long-lasting network at a lower overall cost than other network designers and builders.

We manufacture a wide range of industry-leading products, ideal for co-op deployments.

Our AllWave®+ Zero Water Peak synthetic silica optical fiber provides low attenuation through the optical spectrum, for long-term optical and mechanical reliability

We have 30 years of experience designing and implementing ADSS cable networks. Our PowerGuide® DT gel-free ADSS cables are easy to handle, with proven reliability.





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What We Do

OFS Professional Services will design, furnish, and install all material and labor required to install fiber from central office/substation locations to the Optical Network Terminal (ONT).

Beginning of Project

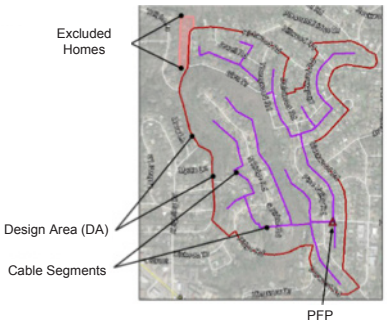
- **Desktop Design**
  - Efficient Designs – A key differentiator for OFS
  - Choose the best architecture for the network
  - Network and splicing information importable into popular network management programs
  - Accurate price estimates Simplified unit rate structures

Project Management

- Complete ownership of projects
- Effective project management
- Roadblock mitigation
- Materials procurement and storage
- Easily understood schedules and progress reports with adjustable levels of detail
- Timely and accurate billing

Installation

- Knowledgeable and experienced FTTH installation technicians
- Products installed using OFS best practices
- Professional appearance and team performance



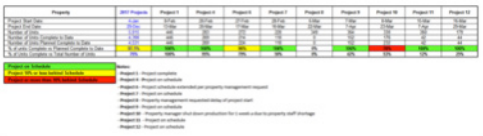
Sample Network Design

Typical Design File Output -

KMZ Design File Includes:

- Cable Segments
- Terminals
- Terminal Serving Areas
- Splitters
- Splitter Serving Areas
- Splice Points
- Existing Poles


Easily Understood Schedules


Easily Understood Progress Reports

Fiber	Tube	Fiber
1	Blue	Blue
2	Blue	Orange
3	Blue	Green
4	Blue	Brown
5	Blue	Slate
6	Blue	White
7	Blue	Red
8	Blue	Black
9	Blue	Yellow
10	Blue	Violet
11	Blue	Rose
12	Blue	Aqua
13	Orange	Blue
14	Orange	Orange
15	Orange	Green
16	Orange	Brown
17	Orange	Slate
18	Orange	White
19	Orange	Red
20	Orange	Black
21	Orange	Yellow
22	Orange	Violet
23	Orange	Rose
24	Orange	Aqua

Fiber	Tube	Fiber
25	Green	Blue
26	Green	Orange
27	Green	Green
28	Green	Brown
29	Green	Slate
30	Green	White
31	Green	Red
32	Green	Black
33	Green	Yellow
34	Green	Violet
35	Green	Rose
36	Green	Aqua
37	Brown	Blue
38	Brown	Orange
39	Brown	Green
40	Brown	Brown
41	Brown	Slate
42	Brown	White
43	Brown	Red
44	Brown	Black
45	Brown	Yellow
46	Brown	Violet
47	Brown	Rose
48	Brown	Aqua

Fiber	Tube	Fiber
49	Slate	Blue
50	Slate	Orange
51	Slate	Green
52	Slate	Brown
53	Slate	Slate
54	Slate	White
55	Slate	Red
56	Slate	Black
57	Slate	Yellow
58	Slate	Violet
59	Slate	Rose
60	Slate	Aqua
61	White	Blue
62	White	Orange
63	White	Green
64	White	Brown
65	White	Slate
66	White	White
67	White	Red
68	White	Black
69	White	Yellow
70	White	Violet
71	White	Rose
72	White	Aqua

Fiber	Tube	Fiber
73	Red	Blue
74	Red	Orange
75	Red	Green
76	Red	Brown
77	Red	Slate
78	Red	White
79	Red	Red
80	Red	Black
81	Red	Yellow
82	Red	Violet
83	Red	Rose
84	Red	Aqua
85	Black	Blue
86	Black	Orange
87	Black	Green
88	Black	Brown
89	Black	Slate
90	Black	White
91	Black	Red
92	Black	Black
93	Black	Yellow
94	Black	Violet
95	Black	Rose
96	Black	Aqua

Detailed Splicing Instructions

For additional information please contact your sales representative.
You can also visit our website at www.ofsoptics.com or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.

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OFS Marketing Communications
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