ENHANCE YOUR FIBER NETWORK WITH MICRODUCT SOLUTIONS! →

1.FEEDER

Feeder lines are the backbone of modern telecommunications infrastructure, connecting central offices or distribution hubs to local networks. These critical pathways demand solutions that offer scalability, durability, and efficient installation. Microducts have emerged as the preferred choice for feeder applications for several compelling reasons:

1

WHY MICRODUCTS FOR FEEDER APPLICATIONS?

1. Space Efficiency and Flexibility

Microducts allow multiple ducts to be installed within a single trench or pathway, enabling service providers to maximize the use of limited space. Their compact design also facilitates future expansions by leaving room for additional cables, ensuring scalability without the need for extensive new construction.

2. High Strength and Durability

Feeder installations often involve heavy-duty requirements, especially when using open trenching or Horizontal Directional Drilling (HDD). Thick-walled microducts provide the strength and resilience needed to withstand high mechanical loads and environmental stress, ensuring reliable long-term performance.

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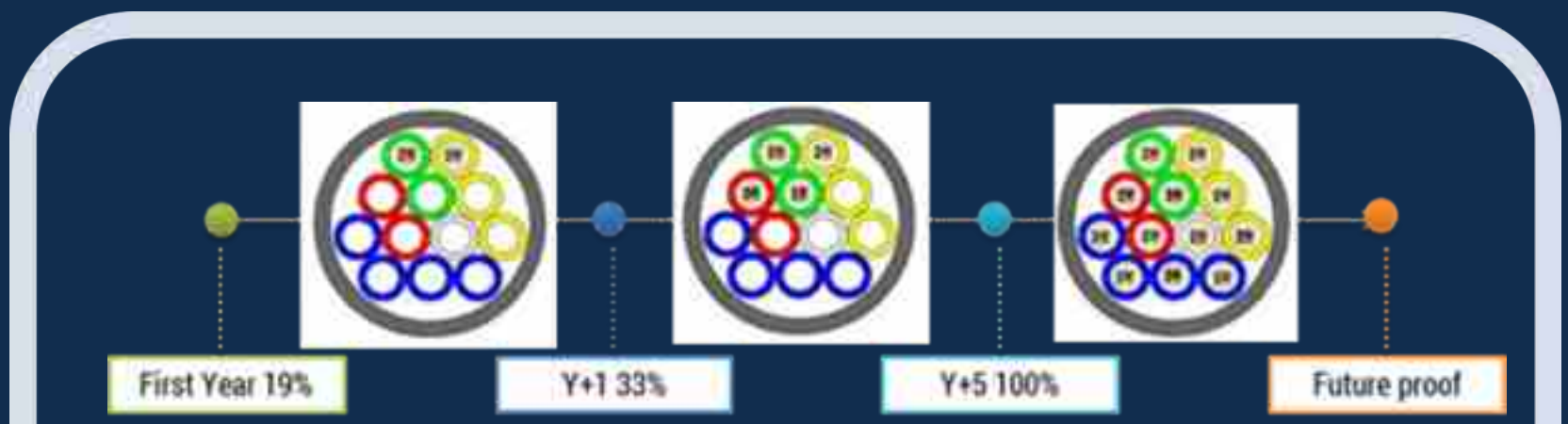
WHY MICRODUCTS FOR FEEDER APPLICATIONS?

3. **Future Proof Design**

By incorporating spare microducts during the initial installation, service providers can accommodate future capacity needs without additional groundwork. This forward-thinking approach minimizes disruptions and reduces operational costs in the long run.



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WHY MICRODUCTS FOR FEEDER APPLICATIONS?

5.Versatility for Different Environments

Whether installed underground in urban streets or across rural landscapes, microducts adapt to a variety of installation methods, including trenching, plowing, or HDD. Their versatility ensures they can meet the demands of diverse feeder applications.

6. Enhanced Protection for Fiber Cables

Microducts offer superior protection for fiber optic cables against physical damage and environmental factors. This is particularly important for feeder networks, where high-capacity cables must remain secure and operational over extended distances.

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FLEXIBLE OPTIONS FOR DIFFERENT APPLICATIONS

- HDD (Horizontal Directional Drilling): Utilize a variety of microducts such as direct install, thick-walled, or double-sheath ducts for more robust installations that withstand tough environments.
- Micro/Mini Trenching: Choose thick-walled or flat ducts for space-efficient and durable installations.
- High-Capacity Networks: For large-scale deployments, such as 432-count or 864 count fiber cores, our 7-way ducts are a smart alternative to bulky 100mm PVC conduits, reducing installation space and material requirements.

5

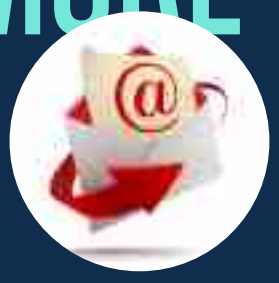
ADAPTABILITY FOR TOUGH ENVIRONMENTS WITH COMBINED DUCTS

- Simplify Installations: Combined ducts make feeder network installations easier by addressing challenges in existing infrastructure and reducing installation time.
- Save Costs: Customized configurations lower civil engineering costs and minimize the need for extensive groundwork, making them a cost-effective solution for feeder projects.

Common ducting concept : Service providers share “pathway” for building a Backbone network to save the civil works. They are assigned to use individual ducts needed and the size of the inner duct is designed for each provider’s request.

At Knet, we understand the unique demands of feeder networks. Our microduct solutions combine robust performance with the versatility needed to handle any environment or application.
Choose Knet microducts for a future-ready network that excels in efficiency, adaptability, and reliability.

NEED MORE TIPS?



inquiry@e-knet.com