

Knet Product Introduction Series

WELCOME TO THE KNET MICRODUCT SERIES!

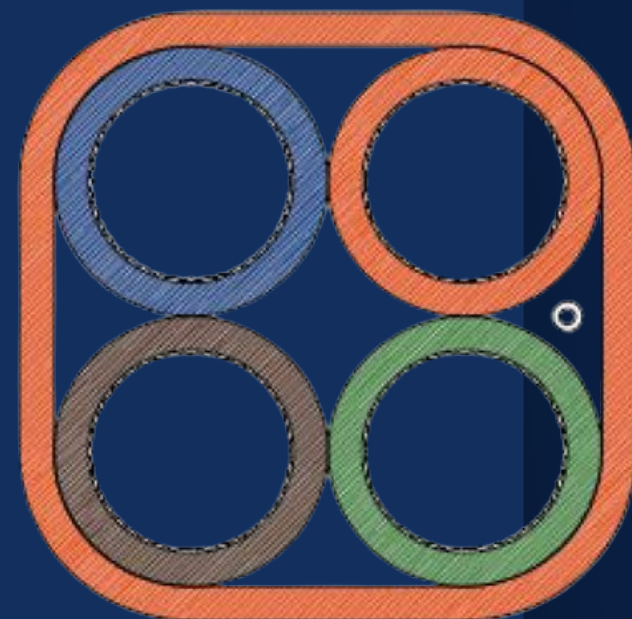


We're excited to introduce our new series exploring the growing demand for scalable fiber infrastructure and how Knet microducts are uniquely positioned to meet this challenge. Over the coming weeks, we'll be highlighting key microduct products along with practical use cases.



Series -1

THICK WALLED MICRODUCT



THICK WALLED DUCT is designed for direct burial, featuring a thicker inner tube for durability and a thin outer sheath for quick and easy termination. The sturdy inner tubes allow for direct burial without additional protection. Ideal for open cut, micro trenching, mini trenching, and HDD, Ploughing installations method, this duct is recommended for sites requiring fast and effortless sheath cutting during fiber branch-off from the FCP.

Built for direct burial and rugged environments, our Thick-Walled Microducts are a go-to solution for feeder networks and heavy-duty installs.



KEY FEATURES OF KNET DB MICRODUCT



- **Robust Construction**

Designed with a thick-walled structure, KNET microducts offer exceptional resistance to crushing and external impacts. This makes them ideal for direct burial without the need for additional protective conduits.

- **Versatile Applications**

Engineered for flexibility across deployment scenarios, these microducts perform reliably in both greenfield and brownfield environments. They support various installation methods, including open trenching, micro-trenching, Ploughing and horizontal directional drilling (HDD)."

- **Enhanced Installation Efficiency**

The outer sheath is thin for easy and quick termination, while the thick inner tubes enable direct burial. This design helps reduce installation time and simplifies field operations.

- **Future-Proof Design**

With capacity to accommodate additional cables, KNET microducts are ideal for scalable network expansion and upgrades — without the need for disruptive or costly reinstallation.

- **Long-Term Durability**

Built to withstand harsh environmental conditions, these microducts have an expected service life of over 30 years — offering a durable and cost-effective long-term solution.

- **Temperature Resilience**

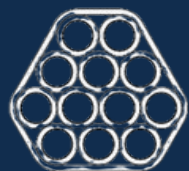
KNET microducts are manufactured to perform consistently across a wide range of temperature conditions, maintaining their integrity and protecting the network in any climate.

- **Reduced Connection Points**

Thanks to their rugged build and longer lengths, these ducts require fewer joints and connectors — minimizing failure points and boosting overall network reliability.

Let me know if you'd like a matching visual slide layout with this content!





INSTALLATION

KNET Microducts are specifically designed for versatile installation methods including open trenching, micro-trenching, ploughing, and Horizontal Directional Drilling (HDD).

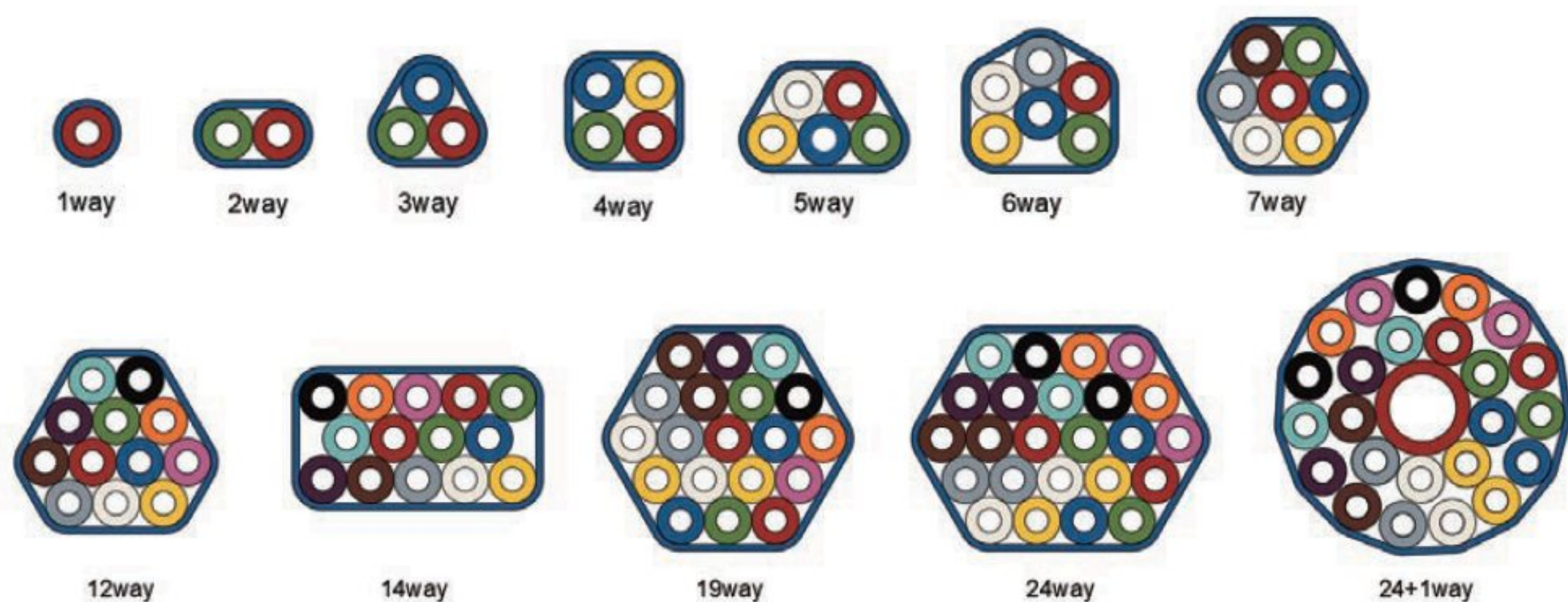
Key Benefits:

- Robust Inner Walls: Thick inner walls eliminate the need for additional protective measures.
- Easy Fiber Branching: Quick and straightforward sheath cutting enables efficient fiber branching.

Installation Considerations:

Tracer Wire Integration: All KNET direct-buried microducts have the option to include a built-in tracer wire. This tracer wire simplifies locating the microduct after the trench is filled. When joining sections of microduct, it's crucial to ensure the tracer wires are securely connected to maintain continuous traceability."





4/2.1mm	Nom. OD (mm)
1way	5.6
7way	13.6x12.5
12way	17.6x16.0
24way	25.6x19.5

7/3.5mm	Nom. OD (mm)
1way	9.0
2way	16.0x9.0
3way	16.0x15.1
4way	16.0x16.0
5way	23.0x15.1
6way	21.1x19.5
7way	23.0x21.1
12way	30.0x27.2
14way	37.0x21.1
19way	37.0x33.3
24way	44.0x33.3
24+1way	43.6x43.6

10/6mm	Nom. OD (mm)
1way	12.0
2way	22.0x12.0
3way	22.0x20.7
4way	22.0x22.0
5way	32.0x20.7
6way	29.4x27.0
7way	32.0x29.3

12/8mm	Nom. OD (mm)
1way	14.0
2way	26.0x14.0
3way	26.0x24.4
4way	26.0x26.0
5way	38.0x24.4
6way	34.8x32.0
7way	38.0x34.8

14/10mm	Nom. OD (mm)
1way	16.0
2way	30.0x16.0
3way	30.0x28.1
4way	30.0x30.0
5way	44.0x28.1
6way	40.2x37.0
7way	44.0x40.2

16/12mm	Nom. OD (mm)
1way	18.0
2way	34.0x18.0
3way	34.0x31.9
4way	34.0x34.0
7way	50.0x45.7

18/14mm	Nom. OD (mm)
1way	20.0
2way	38.0x20.0
3way	38.0x35.6
4way	38.0
6way	51.2x47.0
7way	56.0x51.2

20/16mm	Nom. OD (mm)
1way	22.0
2way	42.0x22.0
3way	42.0x39.3
4way	42.0
7way	62.0x56.6



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NEXT SERIES!
DIRECT INSTALLATION-
OVERIDE, SUBDUCTING!

STAY TUNED!

