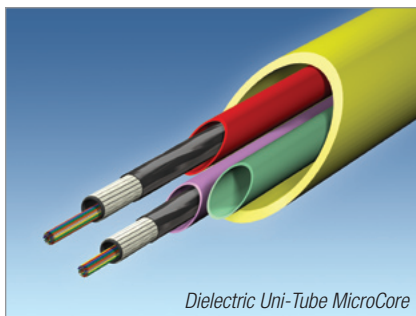
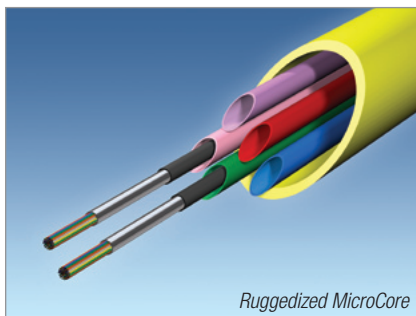


Dielectric Access MicroCore



Dielectric Uni-Tube MicroCore



Ruggedized MicroCore

MicroCore®

MicroCore® is an advanced fiber optic cable technology that allows maximum utilization of existing or future conduit systems with minimal initial investment. Using microduct technology, MicroCore cables are jetted through a network of microducts. Changing or adding to your network is as simple as jetting new fiber optic cables through existing microducts that are part of your conduit system. That reduces up-front capital costs and allows you to build a network to the size you need it today, while providing the ability to easily expand future capacity.

Advantages

Minimize Investment and Boost Revenue

Using microduct technology, MicroCore allows you to deploy fiber when you need it. That saves up-front capital expense and allows you to deploy deeper into your network. With greater loop penetration, you can sign up more subscribers and generate revenue more quickly.

Future-proof Your Network

Because MicroCore allows you to install fiber only when you need it, you can ensure that future installations will use the latest fiber optic technology. So you can upgrade your network in step with fiber technology advancements, and scale it to the size you need.

Override Existing Networks

MicroCore has the flexibility to easily override existing networks. An override allows MicroCore cables and microducts to be jetted into conduit systems with existing cable, to expand networks that are at capacity. No need to get expensive and time consuming permits, disrupt network performance, or pay for property damage for sidewalk or pavement removal.

Features

Dielectric Access MicroCore

- Based on proven AFL fiber optic cable technology
- Three Buffer Tubes - Access Design
- 24 Fibers in each tube
- High density (Up to 72 fibers in a 12/10 mm microduct)
- Fiber in groups of 12 using standard colored string binders
- Tested in accordance with Bellcore GR-20-CORE, Issue 2
- Special Outer Jacket Material

Dielectric Uni-Tube MicroCore

- Based on proven AFL fiber optic cable technology
- Extremely high density (Up to 72 fibers in a 10/8 mm microduct)
- Fiber in groups of 12 using standard colored string binders
- Tested in accordance with Bellcore GR-20-CORE, Issue 2
- Special Outer Jacket Material

Ruggedized MicroCore

- Based on proven AFL fiber optic cable technology
- Hermetically sealed; laser-welded stainless steel tube
- Stainless Steel crush resistant cable
- Extremely high density (Up to 72 fibers in a 10/8 mm microduct)
- Fiber in groups of 12 using standard colored string binders
- Tested in accordance with Bellcore GR-20-CORE, Issue 2
- Special Outer Jacket Material

MicroCore®

Specifications

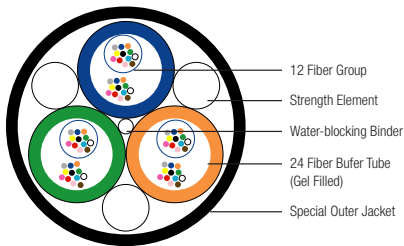
FIBER TYPE	MAXIMUM ATTENUATION (dB/km)				BANDWIDTH (MHz• km)	
	850 nm	1300 nm	1310 nm	1550 nm	850 nm	1300nm
62.5/125	3.5	1.2	n/a	n/a	200	600
50/125	3.5	1.2	n/a	n/a	500	500
Single-mode	n/a	n/a	0.40	0.30	n/a	n/a

MECHANICAL DATA	DIELECTRIC ACCESS MICROCORE		DIELECTRIC UNI-TUBE MICROCORE		RUGGEDIZED MICROCORE	
Fiber count (fiber identified in groups of 12 using string binders)	Up to 72		Up to 72		Up to 72	
Diameter, nominal	7.3 mm	.29 inches	5.9 mm	.23 inches	5.5 mm	.22 inches
Weight, typical	37kg/km	25 lbs./1000 ft.	35kg/km	24 lbs./1000 ft.	40kg/km	27 lbs./1000 ft.
Short-term allowable tension (installation)	2139 N	481 lbs.	1600 N	360 lbs.	1335 N	300 lbs.
Long-term allowable tension (post-installation)	706 N	159 lbs.	533 N	120 lbs.	445 N	100 lbs.
Bend Radius (installation)	15.0 cm	5.9 inches	17.7 cm	6.9 inches	13.8 cm	5.5 inches
Bend Radius (post-installation)	8.0 cm	3.1 inches	12.0 cm	4.7 inches	8.3 cm	3.3 inches
Temperature Range Operation/Installation Storage	-40°C to 70°C -50°C to 75°C					
Outer Jacket Color	Black					
Jacket Print	AFL Telecommunications MicroCore™ Optical Cable Reel number, year and sequential length markings					

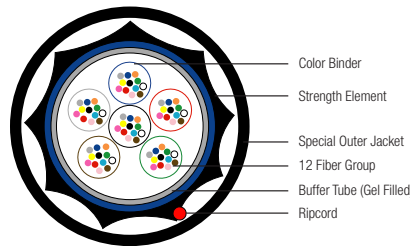
QUALIFIED RATINGS
The above performance complies with Bellcore GR-20-CORE, Issue 2

Cable Diagrams

Dielectric Access MicroCore:



Dielectric Uni-Tube MicroCore:



Ruggedized MicroCore:

