

XpressTube[®] FX Cable

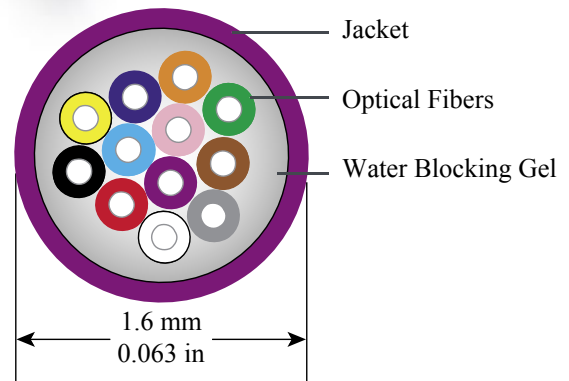
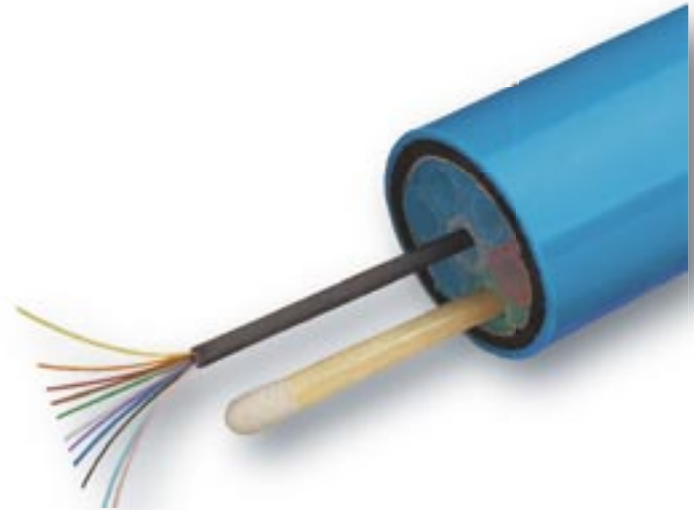
Maximizing Deployment Options for Metropolitan and Access Networks

Product Description

The XpressTube[®] FX is a lightweight, flexible fiber optic cable specifically designed for air-blown installation applications, using microduct systems in metropolitan and access networks.

The construction of XpressTube FX cable begins with a loose fiber bundle containing 12 individual fibers, surrounded by a specially engineered water-blocking compound. A flexible polyolefin jacket, enhanced for increased aerodynamic drag, completes the cable construction.

XpressTube FX cables are installed in duct systems using a process commonly known as air-blowing of fiber. The duct systems used in air-blown fiber applications typically contain a larger duct with multiple inner ducts. XpressTube FX units are air-blown into the smaller, inner ducts using specialized equipment.



Why the XpressTube FX Cable?

The XpressTube FX cable offers service providers exciting new deployment options for fiber optic network builds. First, providers can defer and gain greater control over build costs since fiber can be installed as needed to meet short- and long-term demand. This flexibility helps to “future-proof” a network with uncertain capacity demands.

XpressTube FX cable’s easy, cost-effective installation also creates a strategy option where providers can consistently maintain the highest performance fibers in their networks. This is possible because the air-blown systems used allow fiber to be replaced, without modifying the existing duct system or incurring additional right-of-way construction costs.

Features and Benefits

- Expanded deployment options maximize cost-effectiveness and help “future-proof” networks
- Reduced installation costs with fast and reliable micro-duct installation
- Deploy fiber only as needed for greater cost control
- Flexible, small diameter cable for easy, air-blown installation
- Available with OFS fiber designs, including AllWave[®] and TrueWave[®] fibers

Test and Methods

Cable Test	Test Method *	Requirement	Parameters
Tensile Performance	EN 187000 A1/501	Fiber Strain $\leq 0.4\%$ during test	220 N load, 10 minutes
	IEC 794-1-E1	Attenuation change ≤ 0.05 dB and fiber strain $\leq 0.05\%$ after test	
Crush Performance	IEC 60794-1-2-E3	Attenuation change ≤ 0.01 dB during test	100 mm plate, 100 N load, 1 minute, 2 tests at different places
		Attenuation change ≤ 0.05 dB after test	
		No broken fibers	
Bending Performance	IEC 60794-1-2-E11A	Attenuation change ≤ 0.05 dB after test	Bend diameter $\leq 40x$ cable diameter, 4 turns, 10 cycles
Temperature Cycle	IEC 60794-1-2-F1 3 cycles	Absolute attenuation ≤ 0.5 dB during test	Normal temperature= 20°C Low temperature= -40°C High temperature= 60°C
		Attenuation change ≤ 0.1 dB after test	

Technical Information

Specifications

Fiber Count:	12
Outside Diameter - mm (in.):	1.6 mm (0.06 in)
Cable Weight - kg /km (lb/kft):	2.2 kg/km (1.5 lb/kft)

Handling

Maximum Pulling Load	20 N 4.5 lbs
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Temperature

Installation:	-30°C to 50°C (-22°F to 122°F)
Operation:	-40°C to 60°C (-40°F to 140°F)
Storage:	-40°C to 70°C (-40°F to 158°F)

Ordering Information

Product Codes

Single-mode AllWave Fiber	300408408
Single-mode Matched Clad	300408390
Single-mode TrueWave RS	300408416
62.5 micron Multimode	300408424

For additional information please contact your sales representative. You can also visit our website at <http://www.ofsoptics.com> or call 1-888-fiberhelp.

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