

FieldShield®

Aerial 500 Microducts



Application

Designed to simplify the placement of fiber, FieldShield Aerial 500 Microduct is a durable solution protecting fiber from exposed outdoor environments. FieldShield Aerial 500 Microduct easily integrates into pole mounted distribution terminals providing an aerial pole to pole distribution and "last mile" drop to the customer premise.

Description

FieldShield Aerial 500 Microduct is a 10 mm diameter, self supporting (figure-8 style) microduct intended to deploy fiber the same way an aerial drop is installed. Designed to comply with North American storm and ice loading standards, the 3.18 mm stranded galvanized wire strength member makes FieldShield Aerial 500 Microduct the perfect solution for spanning lengths 250 to 500 feet or lashing to an existing support strand. The FieldShield Aerial 500 Microduct supports FieldShield Pushable Optical Fiber up to 4 mm in diameter.



Features and Benefits

Integrity

- Compliant to Telcordia GR-3155

Protection

- High crush and tension resistance protects duct from harshest environmental conditions
- Made with HDPE to prevent degradation from sun and elements

Access

- Industry standard black for high visibility in aerial applications
- External aerial strength support easily attaches to existing support strands
- Quick and easy to install in self supporting aerial applications
- Smooth core with additional slip lining enables fiber to be pushed or pulled with minimal resistance
- Standard nylon pull string simplifies deployment of fiber when pulling or using a push/pull combo

Investment

- Tech-friendly deployment methods reduce installation expenses

FieldShield®

Aerial 500 Microducts



Technical Specifications

FieldShield Aerial 500 Microduct	
Length	1,500 feet per spool (-0 / +5%)
Outside diameter	0.394" (10 mm)
Inside diameter	0.248" (6.29 mm)
Wall Thickness	0.073" (1.855 mm)
Slip Layer	Minimum 0.004" (0.102 mm)
Span	500 feet maximum
Ovality	≤ 5%
Crush Resistance	900 psi
Installation tension	1,200 lbf
Minimum Bend-Radius	6" radius
Material	HDPE
Operating Temperature	-40°F to 176°F (-40°C to 80°C)
Installation Temperature	-14°F to 158°F (-26°C to 70°C)
Color	Black
Figure 8 Strength Wire Material	7 x 19 stranded galvanized
Strength Wire Diameter	0.125" (3.18 mm)
Markings	Part number, lot number, footage markers every two feet
Spool Size	12" ID x 23.5" OD x 14.5" W
Weight (1,500 feet on spool)	108 lbs

Pre-Configured Part Numbers

Part Number	Description
FS-MEA-T-810-1500F	FieldShield microduct 10 mm, aerial 500, figure-8, black, 1500F