

FieldShield®

Aerial 14/10 mm Microduct



Application

Designed to simplify the placement of fiber, FieldShield Aerial 14/10 mm Microduct is a durable 14/10 solution, protecting fiber from exposed outdoor environments. FieldShield Aerial 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 14/10 mm Microduct is a 14 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 strength member makes FieldShield Aerial 14/10 mm Microduct the solution for spanning up to 500 feet (152.40 m). The FieldShield Aerial 14/10 mm Microduct supports FieldShield Pushable Optical Fiber up to 5.5 mm in diameter.



7 strands of 1.6 mm galvanized steel (twisted)

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 requires Clearfield FS-DEADEND-AD10 for dead end application
- 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

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Technical Specifications

FieldShield Aerial 14/10 mm Microduct	
Length	1,250 feet (381 m) per spool (-0 / +5%)
Outside Diameter	0.551" (14 mm +/- 0.2 mm)
Inside Diameter	0.390" (9.91 mm)
Wall Thickness	0.079" (2 mm +/- 0.2 mm)
Slip Layer	Minimum 0.004" (0.102 mm)
Max. Tensile Load	2,900 lbs. (1315.42 kg)
Ovality	≤5%
Crush Resistance	900 psi
Rating Length	500 foot (152.40 m) span in North America heavy zone
Minimum Bend-Radius	12" (304.80 mm) 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 1.6 mm stranded galvanized
Markings	Part number, lot number, footage markers every foot
Spool Size	35" (889 .00 mm) No OD Reel
Weight (3,281 feet on spool)	394 lbs. (178 kg)

Configured Part Numbers

Part Number	Description
FS-MEA-T-814-PS-1250F	FieldShield Microduct, aerial 14/10, figure-8, black, 1,250 feet (381.00 m)

Large Aerial Microduct Attachment

Description

FieldShield Large Aerial Microduct Attachment provides the quickest and easiest way to attach FieldShield Large 14/10 and 10/8 Figure-8 Microducts. Simply strip away the jacket from the support strand on the microduct to accommodate the dead end and place the attachment over the strand.



Pre-Configured Part Numbers

Part Number	Description
FS-DEADEND-AD10	Microduct, Aerial 14/10 and 10/8 Dead End, Large Cable