

FieldShield®

Direct Bury 14/10 mm Black Microduct



Application

Simplifying the placement of fiber, while providing protection from harsh environmental elements, FieldShield Direct Bury 14/10 mm Black Microduct is specifically designed for applications requiring a small heavy duty drop feed. Rugged crush resistance protects FieldShield Direct Bury Microduct from the rigors of all industry standard ground deployment methods, while rigid column strength allows microducts to be deployed through occupied duct previously thought exhausted. Direct Bury 14/10 mm Black Microduct has an outer diameter of 14 mm and an inner diameter of 10 mm.

Description

FieldShield Direct Bury 14/10 mm Black Microduct is a durable and crush resistant micro-conduit designed to increase the protection of fiber while decreasing installation and maintenance expenses. Manufactured using high density polyethylene (HDPE), FieldShield Direct Bury 14/10 mm Microduct offers superior durability and protection.



Features and Benefits

Integrity

- Compliant to Telcordia GR-3155

Protection

- Quick and easy to install
- Direct Bury Microduct has high tensile strength and crush resistance that withstands all types of ground implementations including open trenching, vibratory plowing, micro-trenching and directional boring
- Made from HDPE to prevent degradation

Access

- Standard nylon pull string simplifies deployment of fiber
- Ribbed core slip lining reduces drag co-efficient enabling fiber to be pushed or pulled with minimal resistance

Investment

- Maximizes capacity of existing conduit previously considered exhausted
- Provides industry leading protection for "last mile" feeds

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Technical Specifications

FieldShield Direct Bury 14/10 mm Black Microduct	
Length	4,922 feet (1500.23 m) per spool
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)
Installation Tension	Non-toneable: 264 lbf; Toneable: 346 lbf
Bend-Radius	8" (203.20 mm) radius minimum
Material	High Density Polyethylene (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
Markings	Part number, lot number, footage markers every two feet (609.60 mm)
Spool Size	40" OD x 24" W (1016.00 mm x 609.60 mm)
Weight	375 lbs (170.10 kg)

Configured Part Numbers

Part Number	Description
FS-MED-NT-814-PS-4922F	FieldShield microduct, 14 mm, Direct Bury, non-toneable, black, 4,922 feet (1500.23 m)