HELIAX® FiberFeed® Hybrid Cable with aluminum armor

Product Classification

Regional Availability
Asia  |  Australia/New Zealand  |  EMEA  |  Latin America  |  North America

Portfolio
CommScope®

Product Type
Hybrid cable, copper and fiber

Product Brand
FiberFeed®  |  HELIAHX®

General Specifications

Application
Remote radio head

Cable Type
Wireless feeder

Conductors, quantity
4

Construction Type
Shielded

Fiber Short Description
RFF – 12AWG

Fiber Type, quantity
144

Fibers per Subunit, quantity
12

Inner Shield (Tape) Material
Corrugated aluminum

Jacket Color
Black

Outer Shield (Tape) Material
PE

Strength Members
Glass reinforced plastic rod

Subunit, quantity
12

Total Fiber Count
144

Water Blocking Method
Water blocking tape(s)  |  Water blocking threads

Dimensions
Buffer Tube/Subunit Diameter
2.54 mm  |  0.1 in
Diameter Over Jacket  |  22.352 mm  |  0.88 in
Conductor Gauge       |  12 AWG     

Electrical Specifications

**dc Resistance Note**
Maximum value based on a standard condition of 20 °C (68 °F)

**dc Resistance, maximum**
5.413 ohms/km  |  1.65 ohms/kft

Electrical Safety Standard
UL 1277, Type TC-ER-OF

Material Specifications
**Ripcord Material**
Para-aramid synthetic fiber

Mechanical Specifications

**Minimum Bend Radius, multiple bends, loaded**
436.88 mm  |  17.2 in

**Minimum Bend Radius, multiple bends, unloaded**
261.62 mm  |  10.3 in

**Minimum Bend Radius, single bend, unloaded**
152.4 mm   |  6 in

**Tensile Load, long term, maximum**
800.68 N  |  180 lbf

**Tensile Load, short term, maximum**
2,668.932 N  |  600 lbf

**Compression**
2.25 kg/mm  |  126 lb/in

**Compression Test Method**
FOTP-41

**Flex**
25 cycles
Flex Test Method  
Impact  
Impact Test Method  
Twist  
Twist Test Method  

Optical Specifications  
Fiber Type  G.652.D and G.657.A1  

Environmental Specifications  
Installation temperature  -30 °C to +70 °C (-22 °F to +158 °F)  
Operating Temperature  -40 °C to +70 °C (-40 °F to +158 °F)  
Storage Temperature  -40 °C to +80 °C (-40 °F to +176 °F)  
Cable Qualification Standards  ANSI/ICEA S-87-640 | Telcordia GR-20 | UL 1277  
Environmental Space  Wireless installation  
Jacket UV Resistance  UV stabilized  

Packaging and Weights  
Cable weight  568.479 kg/km | 382 lb/kft  

Regulatory Compliance/Certifications  
Agency  Classification  
CHINA-ROHS  Below maximum concentration value  
ISO 9001:2015  Designed, manufactured and/or distributed under this quality management system  
REACH-SVHC  Compliant as per SVHC revision on www.commscope.com/ProductCompliance  
ROHS  Compliant  

Included Products  

* Footnotes  
Operating Temperature  Specification applicable to non-terminated bulk fiber cable