

# CommScope FSJ2-50, HELIAX(r) Superflexible Foam Coaxial Cable, corrugated copper, 3/8 in, black PE jacket - 500m

SKU: ACC-CS-00047

MPN: FSJ2-50

## Description

The CommScope FSJ2-50 HELIAX® Superflexible Foam Coaxial Cable is a premium choice for RF applications, designed for optimal performance in short interconnections within large antenna systems. This 3/8-inch corrugated coaxial cable features a robust solid copper outer conductor, ensuring superior shielding effectiveness of 110 dB and minimal PIM (Passive Intermodulation). With a 500-metre length and a weight of 120 grams, it offers flexibility and ease of installation.

The cable's design includes a 11.2 mm outer diameter and a 3.3 mm diameter inner conductor. It operates efficiently across a frequency range from 0 GHz to 13 GHz, making it versatile for various applications. Its durability is demonstrated by its ability to withstand multiple mating cycles, ensuring long-term reliability in demanding environments.

Manufactured to meet ISO 9001 and RoHS compliance standards, the FSJ2-50 represents CommScope's commitment to quality and...

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CommScope (NASDAQ: COMM) helps design, build and manage wired and wireless networks around the world. As a communications infrastructure leader, we shape the always-on networks of tomorrow. For more than 40 years, our global team of greater than 20,000 employees, innovators and technologists have empowered customers in all regions of the world to anticipate what's next and push the boundaries of ...

# RF Specification

Start Frequency: 1 GHz Stop Frequency: 13.4 GHz

## Physical Specification

Subtype: Cable Reel Length: 500 m

Compliance/Certifications: ISO 9001 Quality Management Weight: 120 g

RoHS

## FSJ2-50

Min. Frequency: 0 GHz Max. Frequency: 13.4 GHz

Impedance: 50 Colour: Black

Min. Bend Radius Static: 25.4 mm Weight (g/m): 120 g

Min. Bend Radius Dynamic: 25.4 mm

## Cable Layers

| Layer           | Diameter | Materials                   |
|-----------------|----------|-----------------------------|
| Inner Conductor | 2.79 mm  | Copper Clad Aluminium (CCA) |
| Dielectric      | 7.11 mm  | Foamed Polyethylene (EPE)   |
| Outer Conductor | 9.65 mm  | Corrugated Copper Tube      |
| Outer Jacket    | 10.54 mm | Polyethylene (PE)           |

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