

## Overview

Kymata accessories deliver reliable and efficient solutions for antenna deployment, simplifying network infrastructure installation.

The CPS12N25 Clamp enables secure, tool-less installation of Kymata Leaky Feeder Antennas, ensuring long-term stability in both indoor and outdoor environments.

## CPS12N25 Kymata Clamps

The Kymata CPS12N25 is a tool-less adaptive clamp, specifically engineered to provide secure and reliable fastening of the Kymata Leaky Feeder Antenna series.

Supplied in packs of 25 units, it features an innovative 3-click system that allows anchoring, rotational adjustment, and final locking of the radiating cable—all without tools, screws, or bolts.

Its structure is optimized for anchoring onto high-strength Kevlar guides used in Kymata's MKT mounting kits, ensuring perfect mechanical compatibility and system-wide stability.



## Key Features

- **Tool-less 3-Click Locking Mechanism**  
Fast anchoring with secure grip, no tools required.
- **Adaptive Fastening**  
Accommodates variable cable diameters for flexible installation.
- **High-Strength Guide Anchoring**  
Compatible with reinforced Kevlar cords (Ø 4 mm, Ø 6 mm, and more).
- **Versatile Mounting Options**  
Through-hole for rigid surfaces and optional slot for cable ties.

## Benefits

- **Fast & Simplified Installation**  
The tool-less design significantly reduces deployment time and complexity.
- **Optimized RF Performance**  
Allows precise rotation and orientation before final locking.
- **Enhanced Durability**  
High-resistance materials ensure long-term reliability.
- **Versatility in Harsh Environments**  
Suitable for indoor, outdoor, cold storage, and ATEX zones.

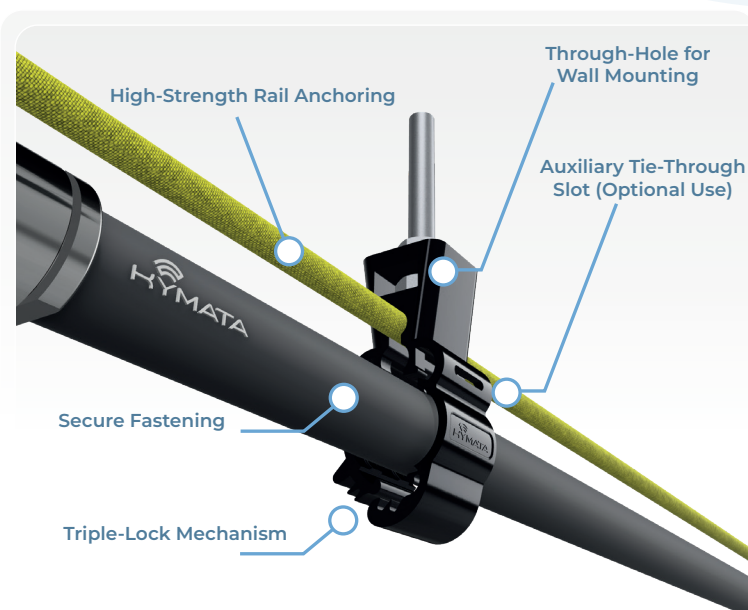
## Technical Specifications

Product Code	CPS12N25
Package Content	25 units
Material	Nylon 66, V-0 Flame Retardant
Locking Mechanism	Tool-less 3-click system (Anchor, Rotate, Lock)
Mounting Options	High-strength guide (e.g., Kevlar) Rigid surface (wall/ceiling) via bolt Optional cable tie fastening
Supported Guide Diameter	Compatible with 4 mm, 6 mm, and other sizes.
Supported Antenna Models*	ANT2L, ANT2C, ANT5L, ANT5C, ANT5MM, ANT5AW Series

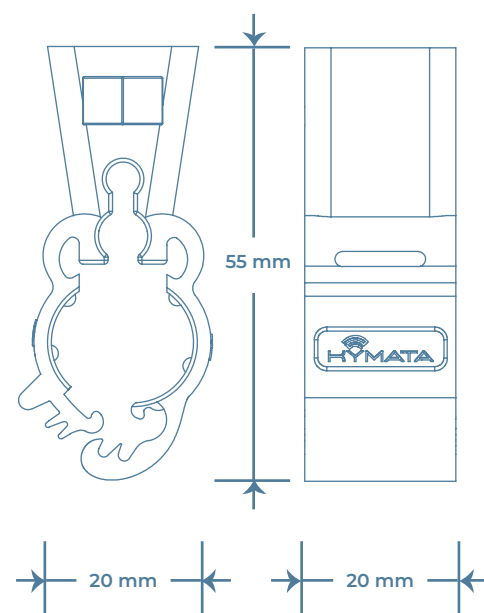
## Material Properties

<b>Physical Properties</b>	
Density (ASTM D792)	1.26 g/cm <sup>3</sup> (78.66 lb/ft <sup>3</sup> )
Shrinkage Flow (ASTM D995)	1.2 %
Water Absorption (24hr @ 23°C, ASTM D570)	0.6 %
<b>Mechanical Properties</b>	
Rockwell Hardness (ASTM D785)	113 (R Scale)
Tensile Strength (@ 23°C, ASTM D638)	55 MPa (7980 psi)
Elongation (@ 23°C, ASTM D638)	20 %
Flexural Strength (@ 23°C, ASTM D790)	80 MPa (11600 psi)
Flexural Modulus (@ 23°C, ASTM D790)	2350 MPa (341,000 psi)
Izod Notch Impact (@ 23°C, ASTM D256)	75 J/m (1.40 ft-lbf/in)
<b>Thermal Properties</b>	
Heat Deflection Temp. @ 0.45MPa (ASTM D648)	243 °C (469 °F)
Heat Deflection Temp. @ 1.8MPa (ASTM D648)	68 °C (154 °F)
<b>Electrical Properties</b>	
Volume Resistivity (ASTM D257)	1E16 Ω·cm
<b>Flammability</b>	
Flame Rating (UL94)	V-0
UL File Number	E171666

\*Minimum distance to be maintained during installation between the Kymata antenna and walls or other surfaces: 100 mm



Dimensioned Drawing



### Leaky Feeder Antenna Clamp – Locking and Orientation Stages

