

The background of the slide features a close-up photograph of numerous water droplets of varying sizes on a light blue, textured surface. In the upper-left corner, there are two overlapping geometric shapes: a dark blue parallelogram and a light green parallelogram.

# Coax, connectors and weatherproofing

Basic review of what everyone knows  
about  
and  
some recommendations

# WHO & WHY ?

- Ham Since 1994
- 2 Way, LMR, Tower Worker, Wireless Internet Installer since 1992
- Good memory and some OCD
- Obsessed to simplify and improve.



# Coaxial cable

- **Flexible**
- **Used for Rotator loops or short Runs\***
- **Single shield** example RG-8, 213
- **Double Shield** Example RG-214, Bury-Flex, Ultra Flex10, DXE MAX400, LMR400 super Flex, 9913, etc.



# Non Flexible Coaxial Cables

Not to have repetitive bending and or not recommended for small radius bend

Hard Line AKA Heliax , corrugated and not corrugated

CCA Coaxial - LMR Series and Clones

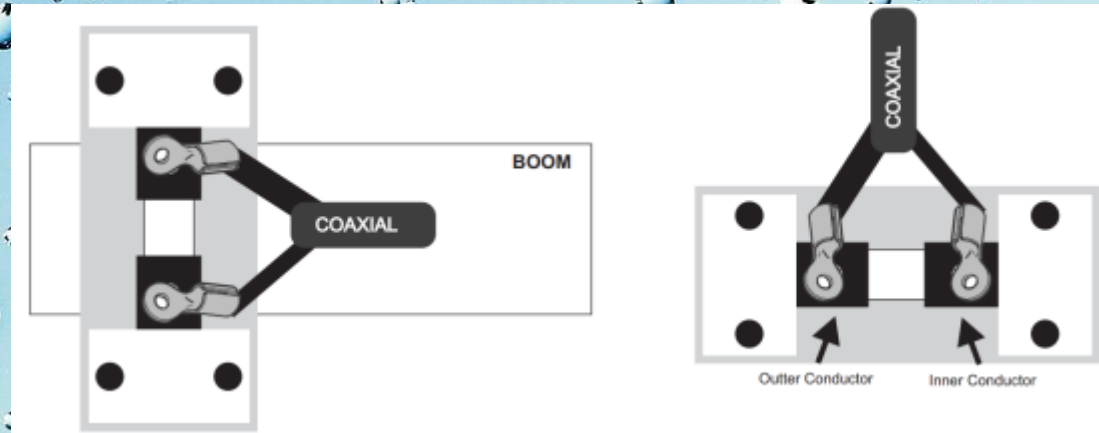
COPPER CLAD ALUMINUM

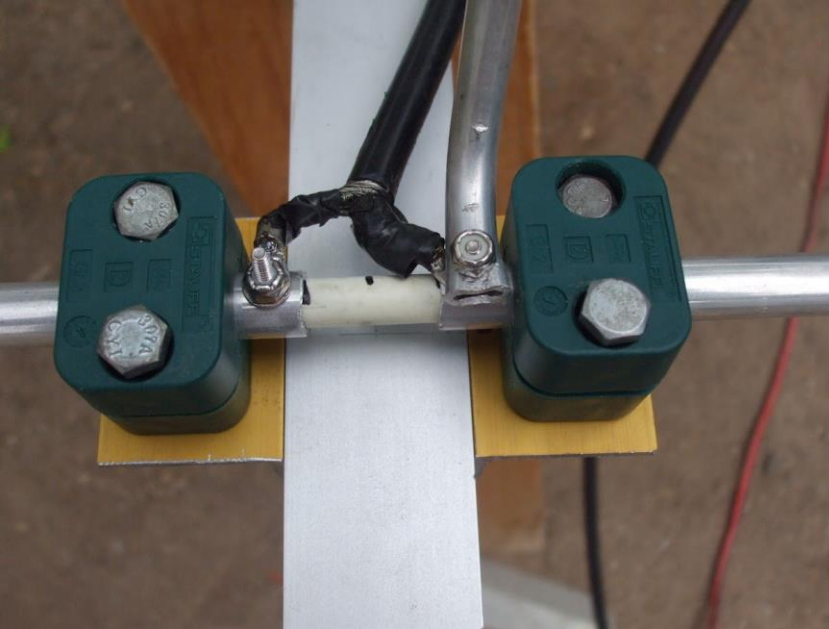




# Coaxial Connections

## Split coaxial







# Coaxial Connectors

## ONLY USE THE CORRECT!!

Single Braid RG-8 size or 0.400

Coaxial Cable Brand, or Silver Plated Crimp or Silver Plated solder, like RF parts or Amphenol

Avoid EBAY CHEAP and SWAP MEET Connector (poor China Quality)



# DOUBLE SHIELD COAXIAL CABLES

Braid and Foil or named Low Loss Created to be used with his own line of connectors Crimp or Clamp

Silver Plated versions for 0.400 works also with correct tool





**AVOID**





**USE ALSO GOOD ADAPTERS  
and  
“BARRELS”**





# WEATHERPROOFING

Needed Elements

**ATTITUDE**

Proper Quality Materials for the task

Correct Technique

# Materials to provide a solid and long lasting protection

## Tape





# Butyl Mastic Tape



# Shrinking tube

IS YOUR ENEMY

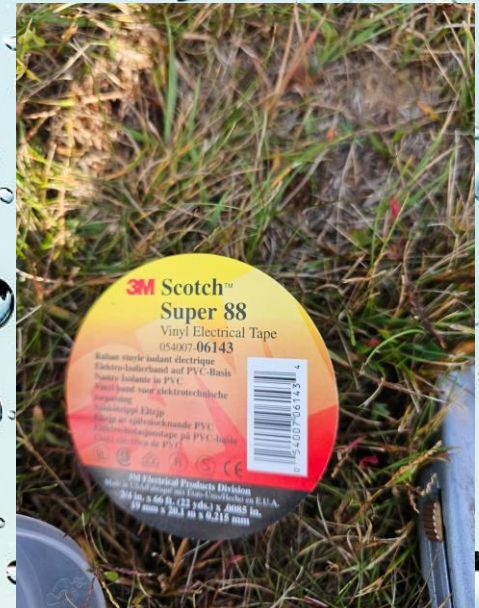


Hector XE2K  
June 3, 2025 12:41 PM



# WEATHERPROOFING

## Materiales





# PROCEDURE

Securing connector or connectors





# First layer











# Protection Layers

Two layers of tape over sealer, overlapping







**Insurance or Extreme**

**Liquid tape coat**





**Demo**

**Questions?**

**THANK YOU**