

The background features a light blue surface covered with numerous water droplets of varying sizes. In the upper-left corner, there are two overlapping geometric shapes: a blue triangle pointing downwards and a green trapezoid pointing to the right.

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

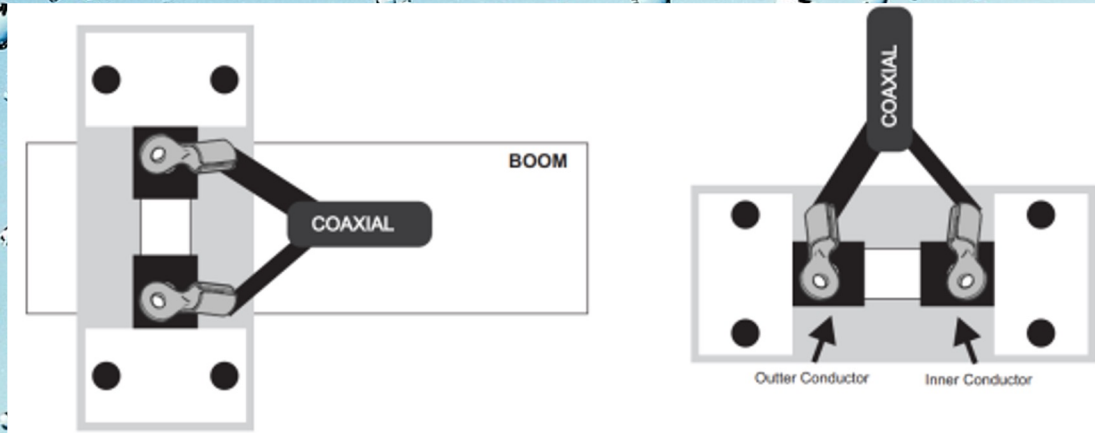
CCA Coaxial - LMR Series and Clones

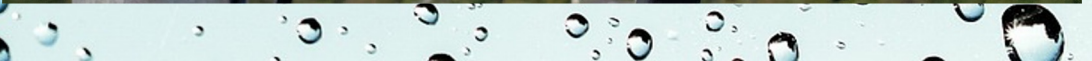
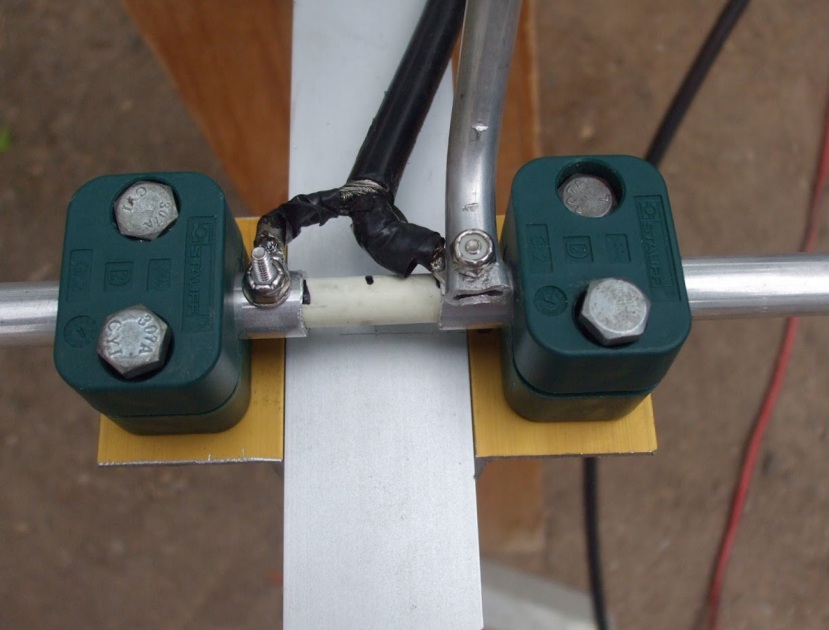
COPPER CLAD ALUMINUM



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 XB2K
June 3, 2023 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