

123 Manual, How to prepare an antenna feeder cable with N type connectors

ANTRFCABLE_M123_ENB01W



**123 Manual
How to prepare an
antenna feeder cable
with N type connectors.**



1

First, we must define the gender of the N connectors that will be used (Male-Male, Female-Female or Male-Female), then you will need the following material and tools to complete the task:

- a A length of Low Losses LP-C400 cable cut to your specifications. Please remember that the corresponding losses will depend on the length of the cable and operating frequency, (please see paragraph 14 table for values).

- b Choice of N-Male (LP-52128) and/or N-Female (LP-61636) connectors, depending on the gender of the cable you wish to prepare.



- c Tools required:



Crimper
Body (429")
Pin (100")
LP-336CRK



Cable Cutter
LP-26C



Cutter
Any



Hot air blower
Any

2

Proceed now to use a thermal shrinking sleeve and then the ring as shown:



3

Measure the approximate size to cut with the connector and then proceed to strip the external jacket of the cable as shown:

**4**

Once the jacket is stripped, proceed to retract the shield over the jacket and once done, measure the distance from the tip as shown in the figures:

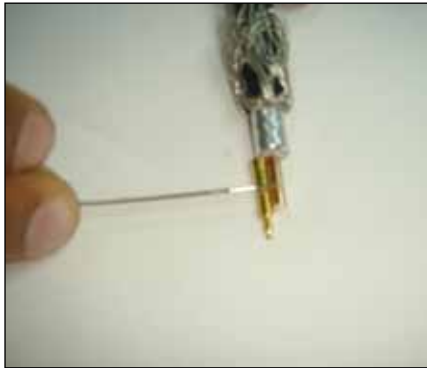
**5**

Proceed to strip the copper center as shown:

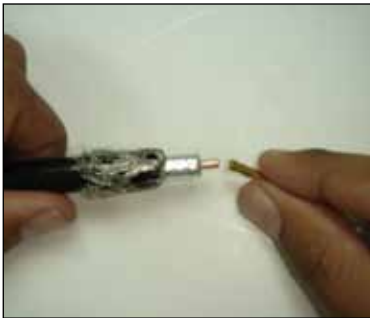


6

Place the connector tip in parallel to the cable tip and cut the excess copper.

**7**

Proceed to insert the cable tip inside the connector tip and use the 0.10" position of the crimper to crimp the tip in place.

**8**

Use the 0.10 " position and proceed to crimp the pin as follows:



9

Insert the N Connector as shown in the following figures.

**10**

Insert the connector to the end of the braid and insert the outer ring over it.

**11**

Cut the excess braid and proceed to crimp the outer ring with the 0.429" tool position as shown:

**12**

Proceed to insert the heat shrinkable sleeve over the assembly and heat until the connector is properly terminated.



13

Once this end is finished, proceed to repeat the same steps with the other end of the cable taking care of selecting the proper connector. Once done, the cable has been completed.

**14**

Attenuation Table(Losses) for the LP-C400 cable made by LanPro.

Type of Cable	Attenuation(Losses) @ 2.4GHz	Attenuation (Losses) @ 5.8 GHz
LP-C400	6.6140 dB/100feet, 21.7030 dB/100meter	10.8210 dB/100feet, 35.5040 dB/100meter