

**RE: INSTALLATION INSTRUCTIONS FOR RP10 AND RP11****Important Note:**

Device is intended for raised wooden floor applications only. Cable storage is by gravity feed return and requires ten inches depth and one cubic foot of space below the floor for proper minimum operation (8-10 feet of cable). Cable storage length is determined by available depth of cavity below floor. Maximum 30 feet cable length is recommended.

**General:**

All Mystery Electronics products are designed to be "installer friendly". Careful preplanning will ensure a successful installation. The Mystery Electronics RP10 and RP11 Rocket Pocket In Floor Microphone Cable Storage Device can be mounted in a stage, pulpit, choir riser or any similar raised wooden floor.

RP10/11 devices are not intended for outdoor applications or for use in concrete floors, conduit backboxes or any location that does not provide adequate cable storage space as per **Important Note** above.

While RP10/11 devices are constructed to support heavy loads (pianos, road cases, etc.); care in selecting the location of each unit will prevent problems with the sliding door mechanism and result in years of trouble free service. Mystery Electronics strongly advises that another type of Mystery Electronics Floor Box be used when these requirements can not be met.

When a conduit is used with the RP10/11, terminate the conduit adjacent to the device location and use a handy box extension ring (open back) fastened securely to the floor joists to provide maximum installation integrity for the RP10/11 device. This method is also recommended for prewire installations.

**Installation:**

To mount the RP, cut a hole in the floor with a 2¼" max. diameter hole saw or jigsaw to clear the terminal strip bracket. Prep microphone line building (home run) wiring by stripping overall jacket insulation and insulation from each individual conductor. Provide heat shrink and/or PVC tubing insulation on the shield and drain wire to avoid shorting the microphone line. Terminate the building wiring conductors on the left-hand side of the RP terminal block when facing the screw heads of the terminal block. After conductors have been terminated, loop the conductors so that jacketed cable butt is laid alongside and parallel to elongated small hole of the strain relief bracket. Tie-wrap the cable to the bracket by inserting tie-wrap thru elongated hole and around cable. Feed end of microphone cable down thru RP top plate opening and then up thru the strain relief opening. Prep microphone cable as above and terminate on right side of terminal strip. Loop cable as above and place nylon strain relief bushing around cable and push from above into 1/2" round hole at right side of strain relief bracket. Strain relief bushing must be installed so that pulling microphone cable out of RP works against nylon strain relief bushing.

Fasten terminated and assembled RP10/11 to floor with two (2) #8 x 1½" Flat Phillips screws furnished. If flooring material is less than 1½" thick, wood backing blocks (1x2" typ.) are recommended to maintain a sturdy long-term installation. On thin floors, without blocking, the device will work loose over a short period of time and degrade the installation.

Assemble the Neutrik NC3FX microphone connector (furnished) per instructions on reverse side. Lower microphone cable thru RP10/11 into below floor cavity. The installation is now complete.

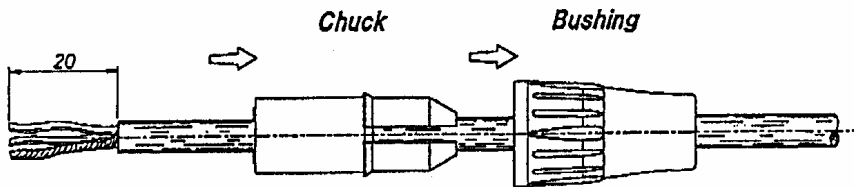
# Neutrik NC3FX Assembly Instructions

## 1 Cable Requirements

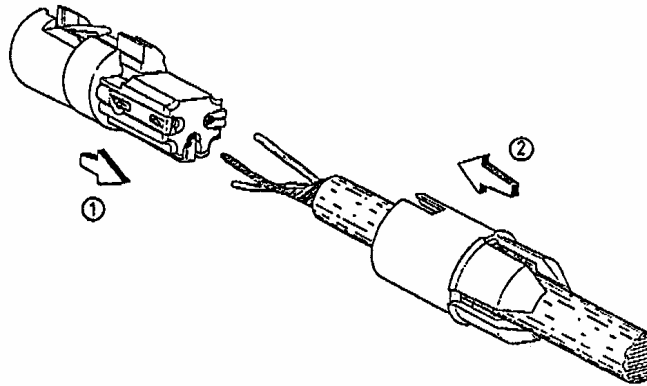
- 1.1 Cable outside diameter range (strain relief guaranteed):  $\phi$  4 mm -  $\phi$  7 mm
- 1.2 Wire gauge (IDC width): AWG24 (0,22 mm<sup>2</sup>) and AWG26 (0,14 mm<sup>2</sup>)
- 1.3 Insulation outside diameter:  $\leq \phi$  1,5 mm

## 2 Cable Preparation

- Assemble bushing and chuck onto the cable.
- Strip the jacket of the cable as shown ( $\approx$  20 mm).
- Twist the shield.

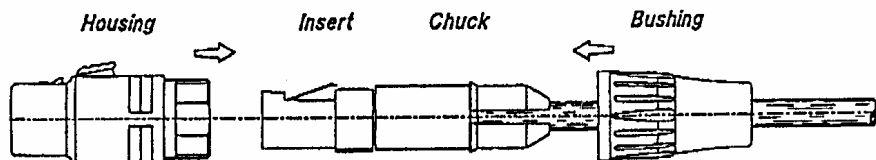


- Insert the wires into contacts '2' + '3' up to the inner stop (around 12 mm) and after that lift the ground contact and insert the twisted shield strands under the contact element.  
Press the IDC contacts with your fingers and then force the chuck over completely up to the stop face.



⚠ Note: There are two possible positions the chuck can be assembled. In case of a metal housing you can choose whether or not the housing will be grounded by rotating the chuck 90°.

- Push the housing onto the insert and screw on the bushing.



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