

	<p>Rural Training Center-Thailand: Technical Paper ศูนย์ฝึกอบรมชนบท-ประเทศไทย: ทางเทคนิคกระดาษ</p> <h2 style="text-align: center;">Pill Bottle Coax Connector Rain Shroud</h2> <p style="text-align: center;">© 2011, G.K. Lee. All rights reserved, สงวนลิขสิทธิ์</p>	
www.neighborhoodlink.com/org/rtcth	E-mail: rtc2k5@gmail.com	
<p>Community-based environmental education for the self-sufficiency and sustainability of small rural family farms ชุมชนตามสิ่งแวดล้อมศึกษาเพื่อการพึ่งตัวเองและยั่งยืนชนบทขนาดเล็กครอบครัวฟาร์ม</p>		

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The monsoon rains in northern Thailand can be heavy and steady for a few days. Ham radio supplies are not readily available in Nan Province. So I had to find a way to weather proof my antenna coax connections.

I decided to make use of an empty pill bottle and the "always available" blue PVC pipe. The empty pill bottle would be the shroud for the antenna end of the coax. The PVC would be a UV shield for the coax.

The first step was to drill a hole in the pill bottle lid for the antenna's SO239 fitting. The particular antenna required the hole to be off-center. Next I drilled a hole through the bottom of the bottle for the PVC pipe.

The coax is threaded through the PVC pipe. The pipe is inserted into the bottom of the bottle. After connecting the coax to the antenna, the bottle is screwed into the cap. [Note: The actual PVC conduit would extend from the antenna to the base of the mast.]



An empty pill bottle



Hole in the cap.



Hole in the bottle.



The cap is captured by the SO239 fitting.



The coax is threaded through the PVC and bottle.



Enshrouded coax connector.