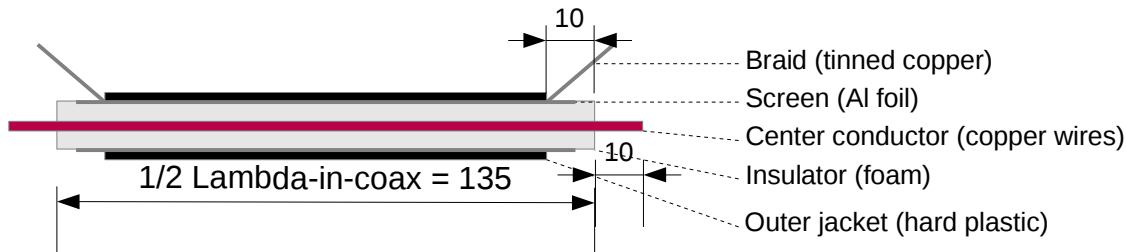


Design assumptions:

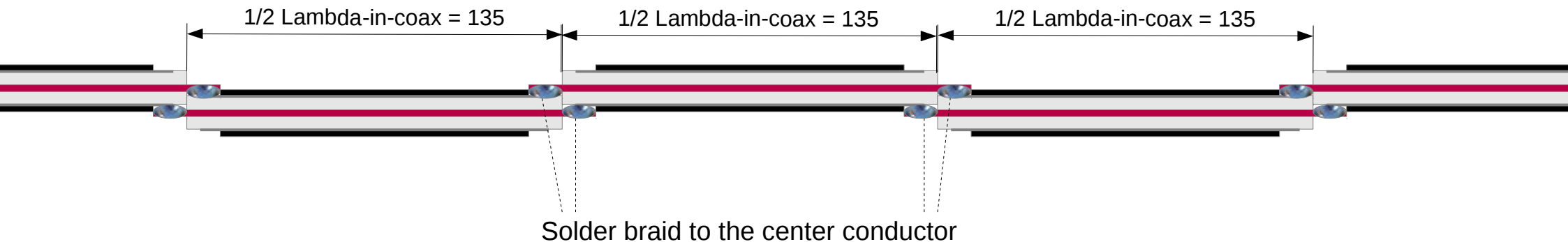
- RF 5 coax with velocity factor = **0.78**
- Operating frequency = **868.3 MHz**
- Lambda-in-air = $300\,000 / 868.3 = \mathbf{345.5\text{ mm}}$
- Lambda-in-coax = $345.5\text{ mm} \times 0.78 = \mathbf{269.5\text{ mm}}$

Dimensions in [mm]
Note: Drawings not to scale

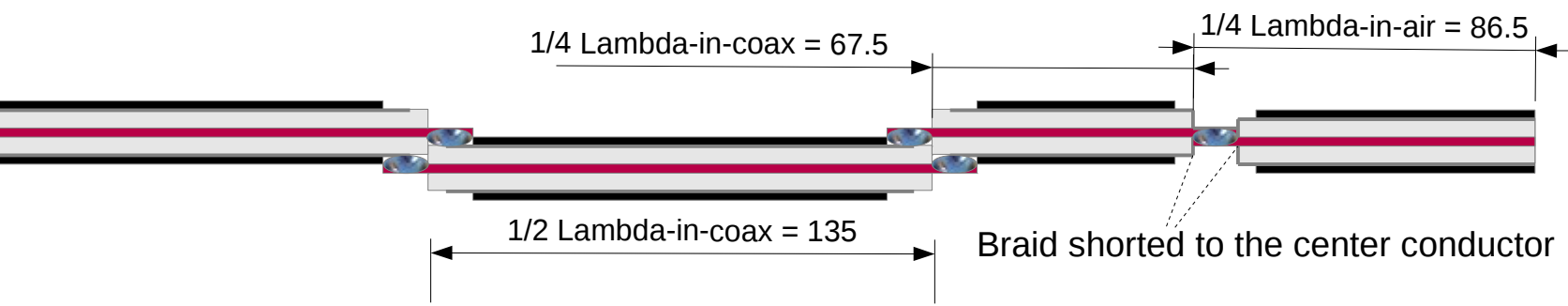
Cut coax into pieces and prepare the ends:



Solder the core of the antenna: 8, 12 or 16 pieces:



On the top of the antenna:



On the bottom of the antenna:

