

18 Labeling the Antenna System

The engineering labels for an antenna system are categorized into three types: engineering labels for outdoor feeders, engineering labels for indoor feeders, and engineering labels for jumpers.

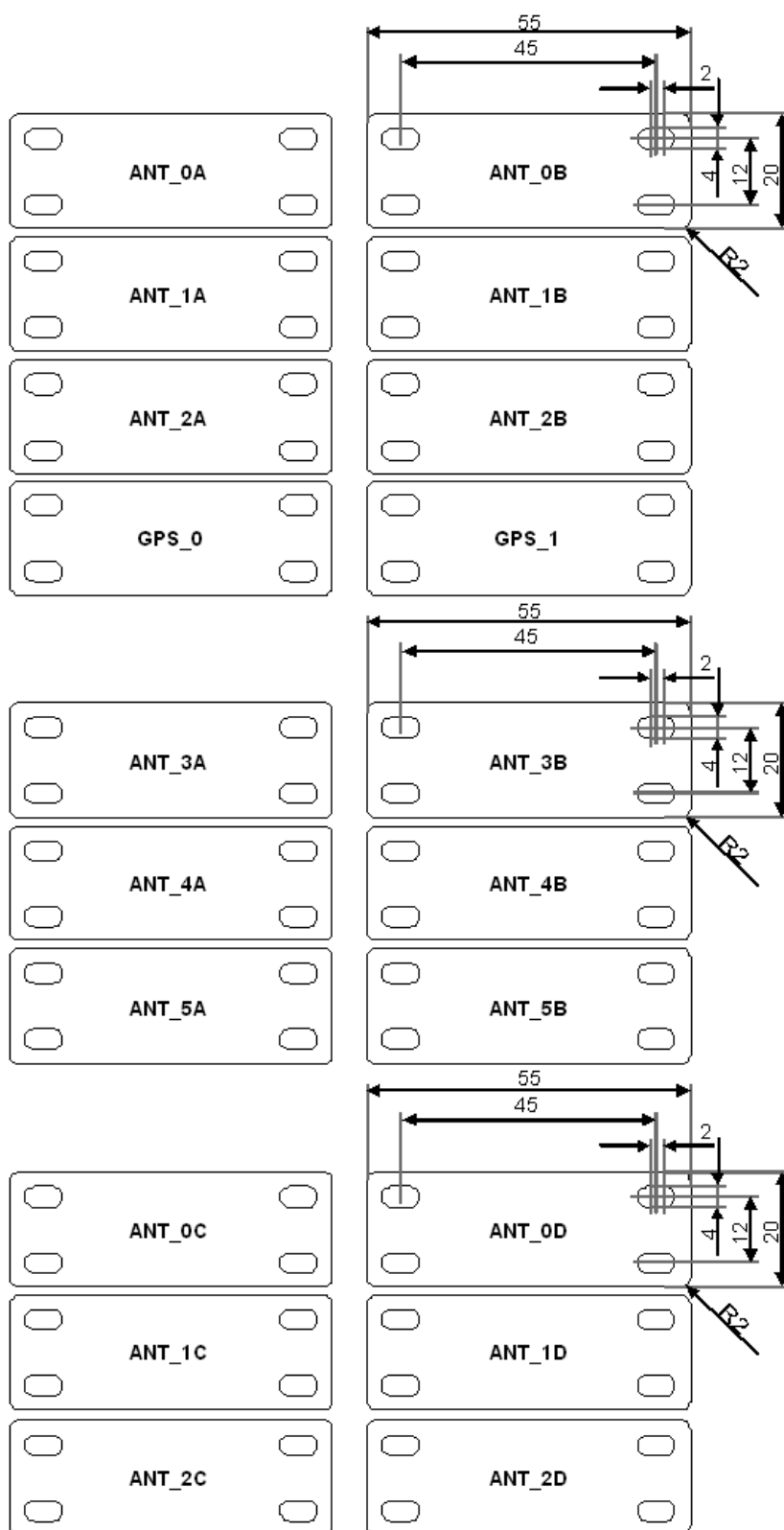
Context

The labels are printed before delivery. Thus, no writing or printing is required on site. [Table 18-1](#) describes the contents of a feeder label.

Table 18-1 Contents of a feeder label

Contents		Meaning
For feeders in the A&F system	ANT	It refers to the feeder.
	Two-digit numeral	<ul style="list-style-type: none">It identifies a feeder port. The number identifies a sector, and the letter identifies the main feeder or the diversity feeder. The labels, such as 0A, 0B, 1A, and 1B, are numbered in ascending order.If the system has four antennas and supports up to three sectors, labels numbered 0C, 0D, 1C, 1D, 2C, and 2D are added.
For feeders in the GPS A&F system	GPS	It refers to the GPS A&F system.
	One-digit numeral	The two GPS feeder ports are identified by 0 and 1.

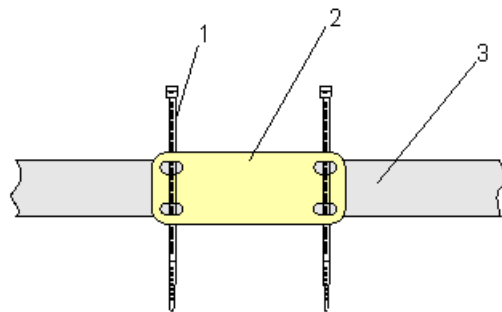
[Figure 18-1](#) shows the shape and the dimensions of the feeder labels.

Figure 18-1 Feeder labels (unit: mm)

Procedure

- Step 1** Lead the cable ties through the holes of the label and bind neatly the label to the cable, as shown in [Figure 18-2](#).

Figure 18-2 Binding a label



(1) Cable tie

(2) Label

(3) Feeder and jumper

NOTE

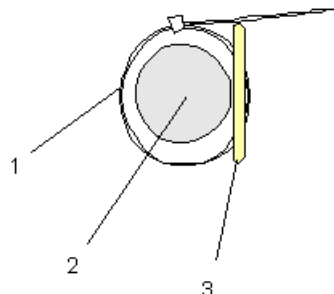
The feeder labels are attached at the following positions:

- On the jumper that connects to the antenna, attach a label 200 mm from the feeder connector.
- On the feeder under the antenna, attach a label 200 mm from the feeder connector.
- On the feeder that is led down from the tower platform, attach a label 200 mm to 300 mm from the feeder connector.
- On the feeder that is outside the feeder window, attach a label 200 mm from the feeder window.
- On the feeder that is inside the equipment room, attach a label 200 mm from the indoor feeder connector.
- On the jumper above the cabinet, attach a label 200 mm to 300mm above the top of the cabinet.

In actual situations, the positions of labels can be adjusted. For example, labels can be attached where a feeder is bent.

- Step 2** Tighten the cable tie and cut off the surplus part of the cable tie, as shown in [Figure 18-3](#).

Figure 18-3 Fastening the label



(1) Cable tie

(2) Feeder and jumper

(3) Label

**NOTE**

- When you bind a label, ensure that the label faces outward.
- Ensure that the labels are attached in an orderly and neat way. When you cut a cable tie, leave 5 mm to 10 mm surplus.
- The feeder labels are delivered based on the configuration of sectors. By default, labels for the configuration of three sectors are delivered. For the configuration of more sectors or the configuration of four antennas, other types of labels are delivered.

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