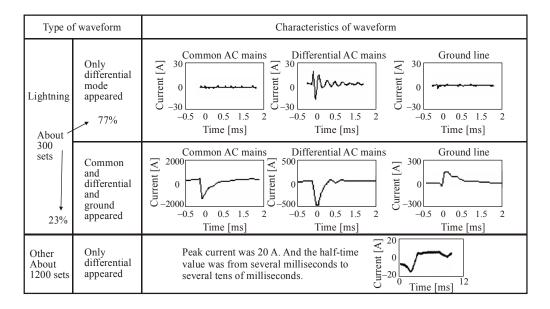
## Measurement/Experiment

## 1) Observation

The lightning surge currents in common mode and differential mode were observed in ten systems where failure often occurred. Two types of waveform and occurrence probability were obtained. The data are summarized in Table 2.9-1 and Figure 2.9-3. Malfunctions occurred with both waveforms. The peak current values were about 30 and 300 A, respectively.

Table 2.9-1 – Observed waveforms



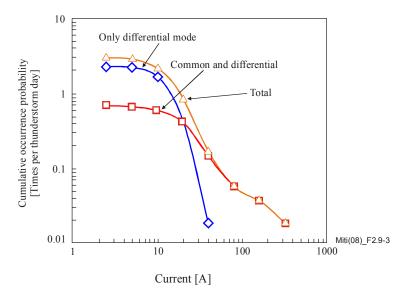


Figure 2.9-3 – Cumulative occurrence probability for differential mode current