

## DFW-12 Cable Distribution Box

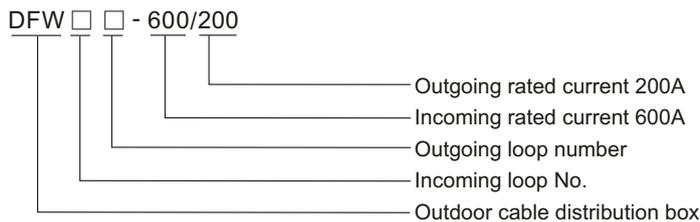
### Summary

The cable distribution box is an excellent product to solve the problem of too massive branches. It has the feature of fully insulated and fully sealing, which can decrease the fault ratio in the power supply line.

The distribution is simple, convenient and flexible. In some situations, it can replace the ring main unit. It also can be put into water and underground which suits the place of business center, industry garden, cities and so on. According to the structure and the kind of cable connector, it can be divided as: American cable distribution box, European cable distribution box and distribution box with switch.



### Model



### Product feature

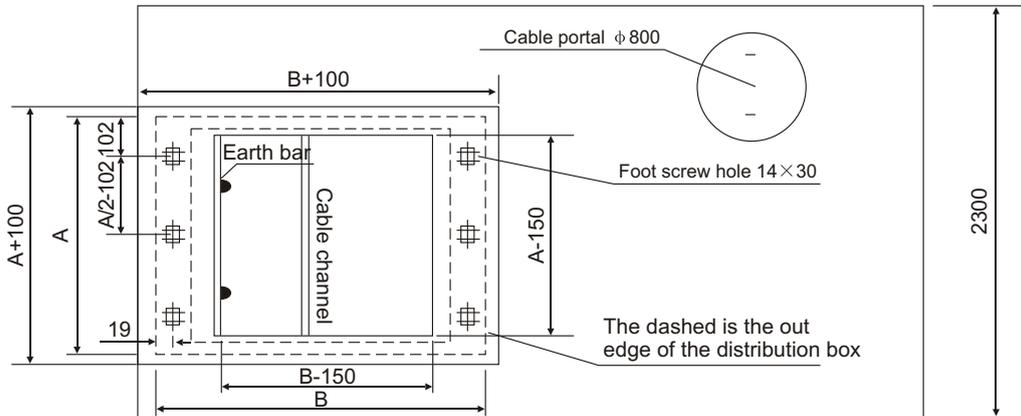
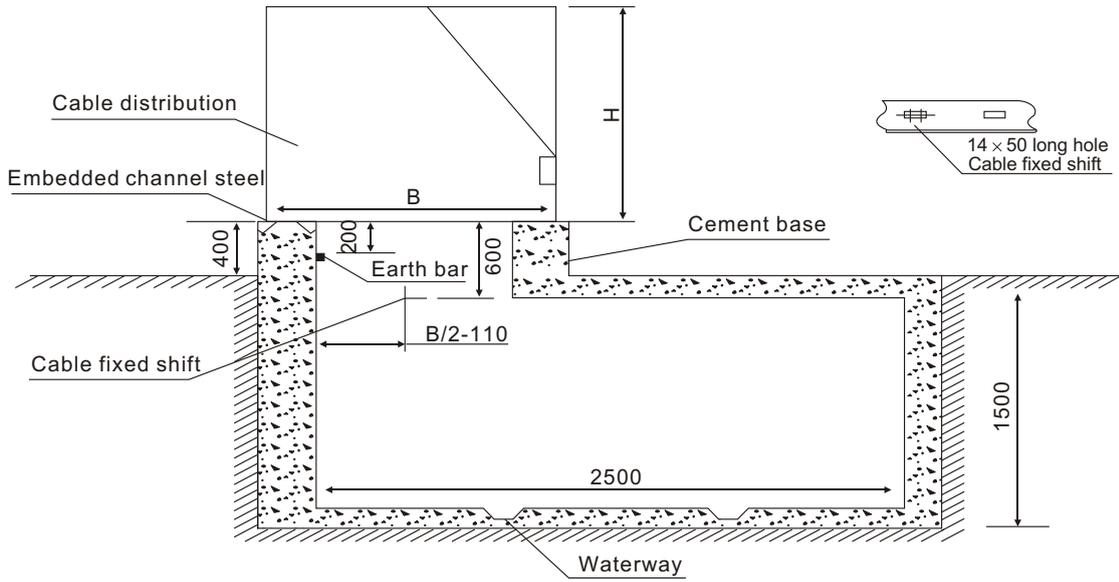
1. Fully sealing structure.
2. Without maintaining, against dust, flood and corrosion and so on, suit to the situation of outdoor, water and any other serious location.
3. The structure is flexible, and there are 8 branches can be used for various connecting.
4. Small volume, compact structure, simple installation and convenient operation.
5. The 200A branch cable connector can be used as a load switch, which has a load insert, so it has the feature of disconnect switch.
6. Can connect to the fault indicator for fault examining of cable.
7. There are various box's materials can be chosen: Common steel matches the military green, mirror surface stainless steel, stainless steel matches the military green and so on.

### Technical specification

| Technical specification                 | 200A loop specification | 600A loop specification |
|---|-------------------------|-------------------------|
| Rated voltage                           | 12kV                    | 12kV                    |
| Max. Voltage of phase to phase          | 14.4kV                  | 14.4kV                  |
| Max. Voltage of phase to earth          | 8.3kV                   | 8.3kV                   |
| 1 min power-frequency withstand voltage | 42kV                    | 42kV                    |
| 15 min DC withstand voltage             | 52kV                    | 52kV                    |
| Lightning impulse withstand voltage     | 75kV                    | 75kV                    |
| Mini corona starting voltage            | 11kV                    | 11kV                    |
| Rated current                           | 200A                    | 600A                    |
| Rated thermal standing current          | 3.5kV/3s                | 20kA/2s                 |
| Rated dynamic standing current          | 10kA/0.2s               | 50kA/0.3s               |
| Partial discharge                       | ≤ 10PC/15kV             | ≤ 10PC/15kV             |
| Loop resistance                         | ≤ 40 μΩ                 | ≤ 40 μΩ                 |
| Protection degree                       | IP33                    | IP33                    |

## Foundation

Foundation drawing(mm)



Outline dimension

| Model                            | Length A (mm) | Width B (mm) | Height H (mm) | Weight (kg) |
|----------------------------------|---------------|--------------|---------------|-------------|
| DFW3-200(200A three-way bus bar) | 1219          | 381          | 762           | 75          |
| DFW4-200(200A four-way bus bar)  | 1524          | 381          | 762           | 89          |
| DFW2-600(600A two-way bus bar)   | 1219          | 559          | 762           | 90          |
| DFW3-600(600A three-way bus bar) | 1219          | 559          | 762           | 94          |
| DFW4-600(600A four-way bus bar)  | 1676          | 559          | 762           | 116         |



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