

DFW-12 Cable Distribution Box

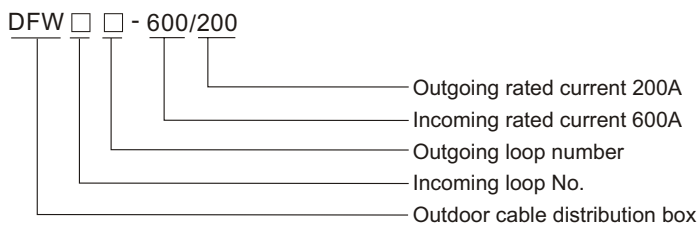
Summary

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

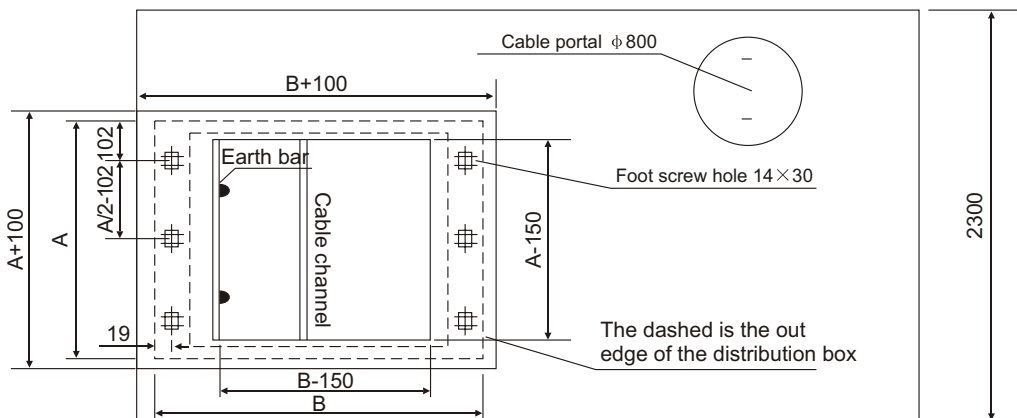
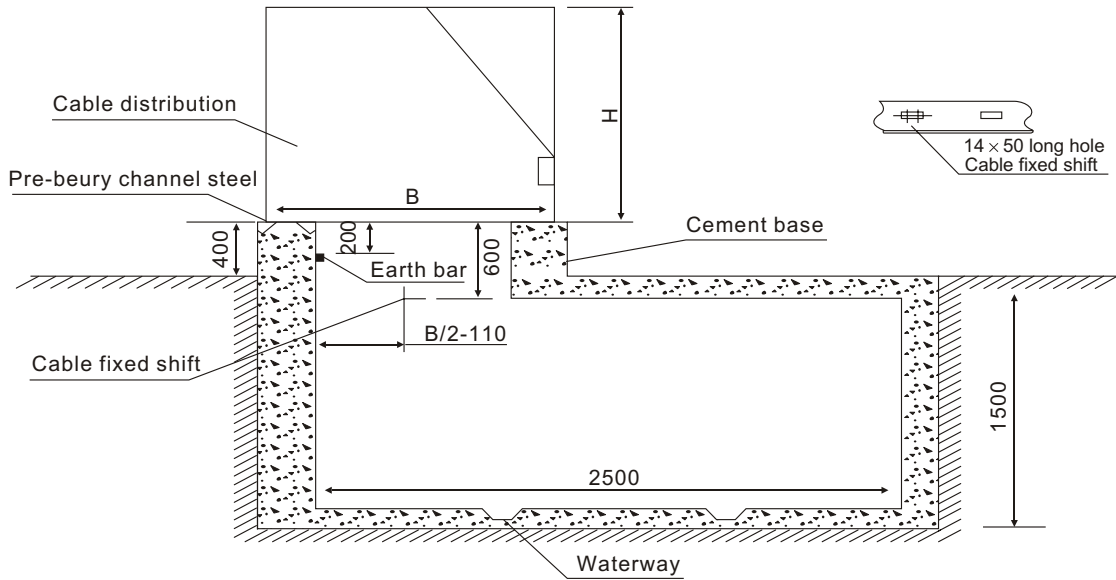
1. Fully sealing structure.
2. Without maintaining, against dust, flood and corrosion and so on, suit to the situation of outdoor, water and any other serious location.
3. The structure is flexible, and there are 8 branches can be used for various connecting.
4. Small volume, compact structure, simple 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: simple 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

Groundsill drawing

Groundsill 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

Busbar

The busbar row is used as bus bar in the cable branch. It has the characteristic of fully insulated, fully sealing. It can be divided into three kinds: Two-way bus bar, three-way bus bar and four-way bus bar. In terms of current class, it can be divided into two kinds: 200A and 600A. The 200A bus bar can match to the 200A series inserting cable connector, and the 600A bus bar can match to T, T-II 600A series cable connector as the multi-branch cable.



T cable connector

The rated current of T connector is 600A, it can match to the 50-500mm² cable. The T connector can be used as link of distribution box and ring main unit. It can connect bus bar directly, as well as use T converter to connect T connector or T-II connector. Moreover, it can install the power indicator at the test point.



T-II cable connector

The rated current of T-II cable connector is 600A, it can match to the 50-500mm² cable. It can joint the 200A cable branch at the end of the connector. It can connect to bus bar directly, as well as use T converter to connect T connector or T-II connector. Moreover, it can install the inserting connector as the outgoing of the branch, earthing connector as the earthing line of the examine and outgoing line of test, all sealing elbow type ZnO arrester, power indicator at the test point.



Inserting connector

The rated current of inserting cable connector is 200A, it can match to the 35-120mm² cable. The connector of electric pole has the extinction feature, which can use as load breaking switch for 200A current. The inserting connector can joint the 200A bus bar and the outgoing of T-II cable connector. This connector can be widely used in the substation, ring main unit and other devices. Moreover, it can install power indicator at the test point.



600/200A connector

The 600/200A connector can be used on the 600A bus bar for joining the elbow type connector. 600/200A without prolonged tube and the T connector can composed as T-II cable connector.



Power indicator

The power indicator is installed at the test point, which can measure the electric status of the cable. the indicator will flash continuously to alarm the worker when power on.



Fault indicator

The fault indicator can be directly installed on the outgoing cable. So we can examine the fault section rapidly. After operating, it can replace automatically accord the time that the user set before when the current is above 10A.

