1. Define the cross section square of cable frame or bobbin

In accordance with the requirement of standards, guaranteeing the sealing quality of poured sealing after being penetrated by cable harness, the sum of external section square of cable harness and each cable as well as the cross section square of cable frame(bobbin)are in the ration of ≤40%.

The cross section square of cable frame or bobbin is F, the space cross section square located in cable frame or bobbin by all cables are (f).

2. Selecting and designing for cable frame or bobbin, and consumption of DMT sealing and PD100-G caulking:

The formula of DMT sealing consumption is as follows:

$$G = L \times (F-f) \times \rho$$

Note: G: weight of DMT sealing, ρ: sealing density ($\rho = 2.0 \times 10^{-6}$ kg/ mm^3), L: poured length of sealing

The formula of PD100-G caulking is as follows:

$$Y = (F-f)/S$$

Note: S: The cross section square of PD100-G caulking, Consumption of PD100-G caulking for cable frame is two times.

三、电缆框（筒）船上安装

1、电缆敷设要求：

为便于 PD100－G 型堵料嵌塞以及 DMT 型填料的灌注，电缆与电缆、电缆与框壁之间的间隔应在 5～8mm 之间。

2、电缆框在船上安装要求：

如图示，电缆框在船壁上的焊接必须牢固，其焊缝应保证水密；电缆框上的灌冒口离甲板之间应保证一定的距离，便于 DMT 型填料的灌注。

3、电缆筒在船上安装要求：

如图示，电缆筒在甲板（或平台）上的焊接须牢靠，其焊缝应保证水密，电缆筒与舱壁之间应保证一定的距离，以便于施工。

III Erection of cable frame (bobbin) in ship

1. Laying requirements of cable:

For convenient embedment of PD100-G caulking and pour of DMT sealing. The interval between both cables and between cable and frame shall be 5~8mm.

2. Erection requirements of cable frame in ship

As sketch shows, cable frame must be welded to bulkhead firmly, and welding seam must be watertight. For convenient construction, between poured riser on cable frame and deck should guarantee the certain distance.

3. Erection requirements of cable bobbin

As sketch shows, cable bobbin must also be welded to platform firmly, and welding seam must be