WHAT IS CLAIMED IS:

1. A cable splice box utilizing various ways to waterproof two main cables, comprising:

a protective cover; ~~and~~

at least one cable entry end having plural hollow cylindrical columns, wherein at least one of the plural hollow cylindrical columns allows passage of the two main cables, to be waterproofed by a heat shrink tube, into the cable splice box, and there are at least additional two of the plural hollow cylindrical columns, each of which allows a passage of another main cable, to be waterproofed by an elastic rubber shrinkable pipe, into the cable splice box~~.~~; and

~~2. The cable splice box as claimed in Claim 1 further comprising~~ at least one optical fiber cable collection plate support capable of being secured to the cable entry end, wherein each of the at least one cable entry end has at least one securing device for securing the optical fiber cable collection plate support and in response to a specific entry position of the respective main cable securing the optical fiber cable collection plate support to a specific position on the cable entry end.

~~3.~~2. The cable splice box as claimed in Claim~~s~~ 1~~ or 2~~ wherein a specific one of the plural hollow cylindrical columns for passing therethrough a specific one of main cables is located at a position on the at least one cable entry end without the possibility of interfering a passage of the specific main cable into the cable splice box after the optical fiber collection plate support has mounted thereon a maximum number of optical fiber collection plates.

3. The cable splice box as claimed in anyone of Claims 1 to ~~3~~2, wherein a specific one of the plural hollow cylindrical columns for passing therethrough a

branching cable is located at a position on the at least one cable entry end without the possibility of interfering a passage of the specific branching cable into the cable splice box after the optical fiber collection plate support has mounted thereon a maximum number of optical fiber collection plates.

~~5. The cable splice box as claimed in any one of Claims 1 to 3 further comprising at least two elastic rubber shrinkable tubes for waterproofing the cables passing the cable splice box via the at least one cable entry end.~~

~~6. The cable splice box as claimed in any one of Claims 1 to 3, further comprising at least one heat shrink tube for waterproofing the cables passing the cable splice box via the at least one cable entry end.~~

~~7.~~4. The cable splice box as claimed in any one of Claims 1 to ~~4~~3 further comprising at least one cable securing device configured on an exterior of the cable splice box, and having:

a first securing portion secured to the cable splice box; and

a second securing portion connected to the first securing portion for securing a cable introduced into the cable splice box to be waterproofed by one of a heat shrink tube and an elastic rubber shrinkable pipe.

~~8.~~5. The cable splice box as claimed in Claim ~~7~~4, wherein the first securing portion is embedded in the at least one cable entry end of the cable splice box.

~~9.~~6. The cable splice box as claimed in Claim ~~7~~4, wherein the first securing portion is one-piece formed on the at least one cable entry end of the cable splice box.

~~10.~~7. The cable splice box as claimed in Claim ~~7~~4, wherein the first securing portion and the at least one cable entry end of the cable splice box are secured together through one selected from a group consisting of a screw splice, a mortise joint, a clamp joint, a ring fastener, a band fastener and a combination thereof.

~~11.~~8. The cable splice box as claimed in Claim ~~7~~4, wherein the second securing portion and the cable are secured together through one selected from a group consisting of a clamp joint, a ring fastener, a band fastener and a combination thereof.

~~12.~~9. The cable splice box as claimed in Claim ~~7~~4 further comprising a supporting portion for connecting the first securing portion and the second securing portion.

~~13.~~10. The cable splice box as claimed in Claim ~~12~~9, wherein the second securing portion is in one-piece formed with the supporting portion.

~~14.~~11. The cable splice box as claimed in Claim ~~12~~9, wherein the second securing portion is mechanically connected to and secured to the supporting portion.

~~15.~~12. The cable splice box as claimed in Claim ~~12~~9, wherein the first securing portion is in one-piece formed with the supporting portion.

~~16.~~13. The cable splice box as claimed in Claim ~~12~~9, wherein the first securing portion is mechanically connected to and secured to the supporting portion.

~~17.~~14. The cable splice box as claimed in Claim ~~12~~9, wherein the supporting portion is connected to and secured to the first securing portion, and the supporting portion is secured on the cable splice box.

~~18.~~15. The cable splice box as claimed in Claim ~~12~~9, wherein the material of the supporting portion is one selected from a group consisting of a metal, a plastic, and a combination thereof.

~~19. A cable splice box, comprising:~~

~~a protective cover; and~~

~~at least one cable entry end, each of whichhas: at least one hollow cylindrical column allowing passage of two main cables to be waterproofed in a first type of treatment; and~~

at least two hollow cylindrical columns, each of which allows passage of another main cable to be waterproofing in a second type of treatment.

20. A cable splice box comprising a cable entry end having:

a first hollow cylindrical column allows passage of a first main cable to be waterproofed in a first type of treatment; and

a second hollow cylindrical column allows passage of a bent second main cable to be waterproofed in a second type of treatment.

21. The cable splice box as claimed in Claim 20, wherein the first type and the second type of the treatments are the same.