CLAIMS

WE CLAIM:

1. A fluid ~~coupling~~ connector that includes a cutting clip thereon, the cutting clip having at least one cutting end and attached to a body section of the fluid ~~coupling~~ connector, where the fluid connector extends along a central axis, and where the at least one cutting end of the cutting clip extends in a direction of the central axis so as to cut at least ~~the~~ an inner layer of an installed hose, ~~and then~~ the at least one cutting end contacting a conductive layer of the hose.

2. The fluid ~~coupling~~ connector of claim 1, wherein the at least one cutting end is attached to and extends from ~~a~~ the cutting clip.

3. The fluid ~~coupling~~ connector of claim 2 where the cutting clip is comprised of a clip body that engages said body section of the fluid ~~coupling~~ connector.

4. A method of providing electrical connection between a hose conductive layer and a fluid ~~coupling body~~ connector comprising;

providing a cutting clip having a cutting end tab that extends in a direction of a central axis of the connector;

attaching said cutting clip to said ~~coupling body~~ connector;

providing a hose having ~~and~~ an inner layer and a conductive layer;

installing said hose on said ~~fluid coupling~~ connector such that said cutting end tab cuts into said hose inner layer and along the central axis of the connector and makes electrical contact with said conductive layer of said hose.

5. ~~A method of providing an electrical connection between a hose conductive layer and a fluid coupling body comprising~~ The method of providing an electrical connection of claim 4, wherein providing the hose further comprises~~;~~

~~providing a cutting clip having a cutting end tab;~~

~~attaching said cutting clip to said coupling body;~~

providing ~~a~~ the hose having ~~an~~ the inner layer and ~~a~~ the first conductive layer and an intermediate layer and a second conductive layer and an outer layer~~;~~

~~installing said hose on said fluid coupling such that said cutting end tab cuts into said hose inner layer and makes electrical contact with said first conductive layer of said hose~~.

6. The method of providing an electrical connection of claim 5, further comprising a socket mounted to said ~~fluid~~ connector.

7. The method of providing an electrical connection of claim 6, further comprising at least one socket cutting tab extending inward from an inner surface of said socket and cutting into said outer layer of said hose.

8. A method of providing electrical connection between a hose conductive layer and a fluid coupling body comprising;

providing a cutting clip having a cutting end that extends along a central axis of a hose;

attaching said cutting clip to said coupling body;

providing a hose having an inner layer and a first conductive layer and an intermediate layer and a second conductive layer and an outer layer;

installing said hose on said fluid coupling such that said cutting end cuts into said hose inner layer along the central axis and makes electrical contact with said first conductive layer of said hose;

providing a hose socket mounted on said coupling body, said hose socket having socket cutting tabs extending inwardly therefrom; and

crimping said hose socket to said hose thereby causing said cutting tabs to penetrate said hose outer layer and extending to make electrical contact with said second conductive layer.

~~9. A socket for a fluid connector having at least one cutting tab extending from an inner surface of said socket a sufficient distance to cut an outer layer of a fluid conveyance hose to contact an electronically conductive layer of said hose.~~