

## WIRING LOOMS

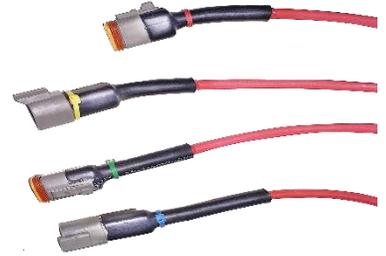
Vehicle and Marine Systems are prepared using wiring Looms. These looms use 0.75mm stranded class 5 shielded fire Rated Cables.

The cable has red outer insulation and has 2 hour fire rating in accordance with Australian Standards for fire systems.

**Heat Shrink** is applied to each connection to provide both mechanical strength and protection from water ingress.

**Colour coding using cable ties** makes each circuit easy to identify over the life of the system:

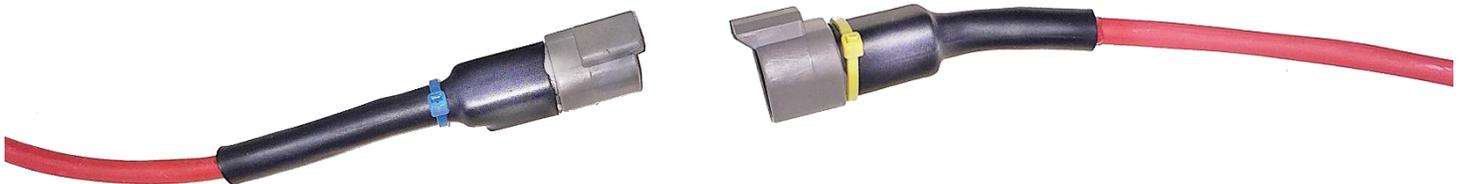
Colour	Circuit
Red	Power
Yellow	Activation
Green 1	Detection 1
Green 2	Detection 2
Blue	Thermal Fuse
Orange	Sounder
White	Relay Output



The connections are made using Deutsch Plugs (DT Series) and these are provided in the kit for each system. Both 2 pin and 3 Pin Plugs are used to ensure that connections are not mixed.

**Cables, which go from panel to the various components will need to be assembled by the installer.**

The cable is provided separately from the plugs, and service technicians will need to assemble the cable with plugs, and heat shrink to suit the application. Care should be taken to ensure that each cable is marked with the appropriate colour cable tie.



Heat Shrink should be installed using a heat gun, not a naked flame, which can damage the material. Make sure the Heat Shrink is allowed to cool before completing connection.

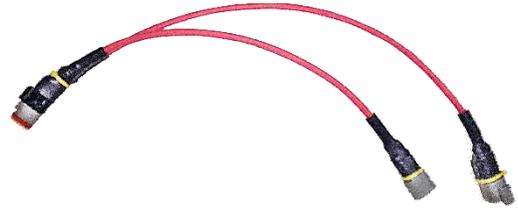
**Linear Heat Detection** is supplied in cut lengths with Deutsch Plugs fitted.

**FirePro Units** are all supplied with **Deutsch plug connection** for all systems. This allows for easy connection of the FirePro Test Module (FP-08800) for system testing and commissioning.



## SPLITTER CABLE

Where multiple FirePro generators are used, the activation splitter cables can be used. These are fitted in the cable assembly – this is important for the monitoring and activation circuits.



## DEUTSCH PLUGS – DT Series

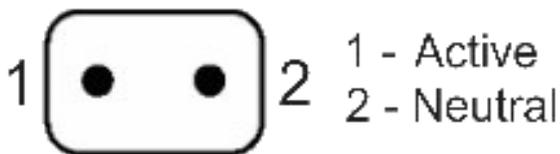
Deutsch Plugs (DT Series) environmentally sealed connectors are designed specifically for cable to cable applications. The connectors are suitable for harsh environment applications where even a small degradation in connection may be critical. Thermoplastic housings offer a wide operating temperature range -55°C to 125°C and silicone rear wire and interface seals allow the connectors to withstand dust and moisture rated to **IP68**. Suitable for up to 13 amps continuous. Contacts: Copper Alloy, Nickel Plated

DT series have been successfully tested to the 20 mm Flammability Test per Standard UL-94.



For crimping the connector pins we recommend using the correct Deutsch Crimping tool as shown.

### Deutsch Plug 2 Pin Male/Female



### Deutsch Plug 3 Pin Male/Female

