



## Edco SS64 & SS65 Series Wastewater/Industrial Applications

The Edco SS64 and Edco SS65 Series suppressors are designed for the water and wastewater industry. These multi-stage hybrid suppressors address over-voltage transients with gas tube and silicon avalanche technology. In addition, sneak and fault currents are mitigated with PTC devices which consist of solid-state resettable fuses. The units are encapsulated in stainless steel pipe nipples making them suitable for use in severe environments. The Edco SS64 models protect a signal pair and the Edco SS65 models protect a signal pair plus the cable shield (drain wire).

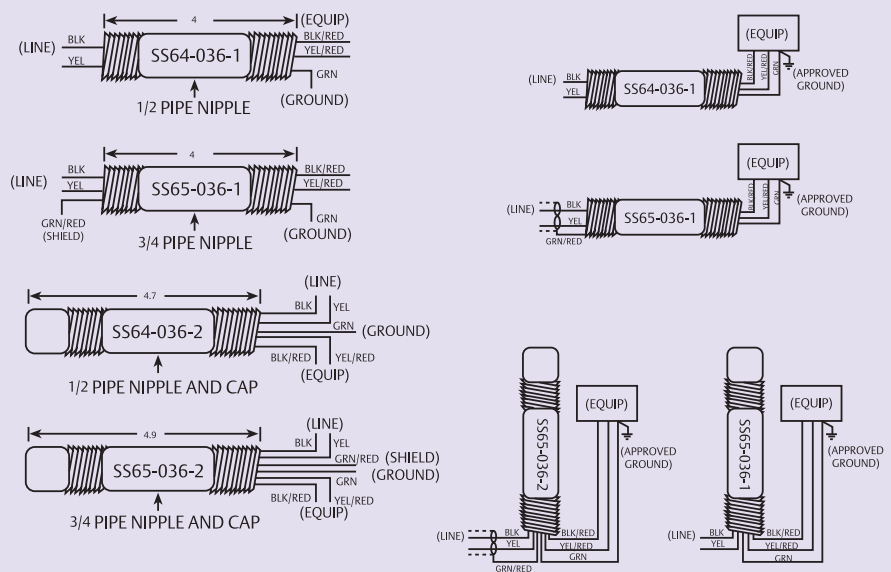
### Features

- Transient protection for low-voltage signal lines
- Sneak/fault current protection
- Resettable fusing—PTCs
- Differential and common mode protection
- Automatic recovery
- Encapsulated in stainless steel pipe nipples
- Protection for one pair (Two wires & shield on SS65)
- 5 year warranty

### General Technical Specifications

|                                   |   |
|-----------------------------------|---|
| Response Time                     | < 1 Nanosecond                                |
| Maximum Signal Voltage            | 28 V Max                                      |
| DC Clamping Level (L-G)           | 36 V ±10%                                     |
| DC Clamping Level (L-L)           | 72 V ±10%                                     |
| Peak Surge Current                | 10 kA (8x20 μs)                               |
| <b>Maximum let-thru Voltage:</b>  |   |
| Line-to-Ground (10x700 μs)        | 44 V @ 400 A                                  |
| <b>Maximum let-thru Voltage:</b>  |   |
| Line-to-Line (10x700 μs)          | 90 V @ 400 A                                  |
| Series Resistance (per conductor) | 5 V (typical)                                 |
| <b>Capacitance:</b>               |   |
| (Zero Volts Bias)                 | (L-L) 600 pf typical<br>(L-G) 1200 pf typical |
| Number of Occurrences             | 400 @ 500 Amps (10x1000 μs)                   |

### Typical Applications



**Caution:** The hybrid design of this product includes series resistance. Do not place this product in service on any signal lines capable of supplying more than 150 milliamperes continuously.