



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).

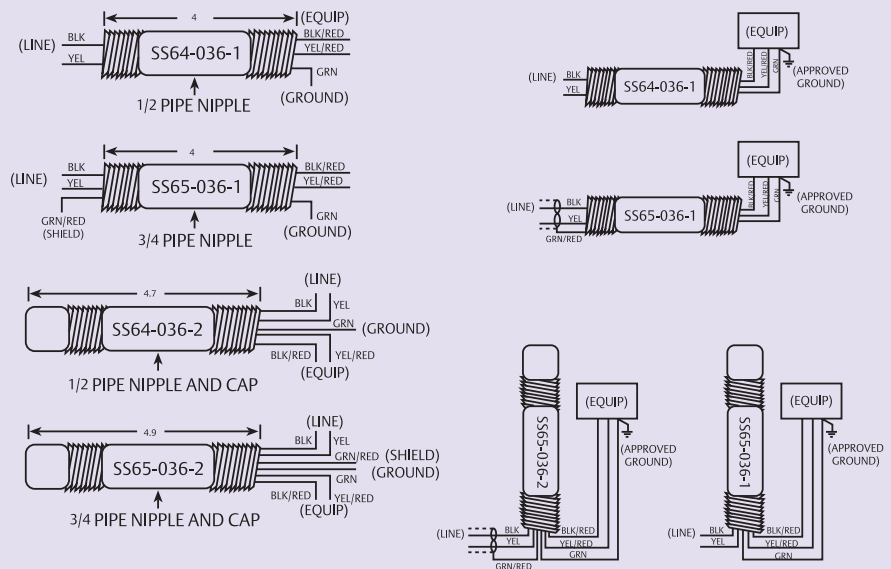
Features

- 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) |
| Maximum let-thru Voltage: | |
| Line-to-Ground (10x700 μs) | 44 V @ 400 A |
| Maximum let-thru Voltage: | |
| Line-to-Line (10x700 μs) | 90 V @ 400 A |
| Series Resistance (per conductor) | 5 V (typical) |
| Capacitance: | |
| (Zero Volts Bias) | (L-L) 600 pf typical (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.