

Edco SS64 & SS65 Series

Wastewater/Industrial Applications

■ Surge Protection
For *Business-Critical Continuity™*

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).



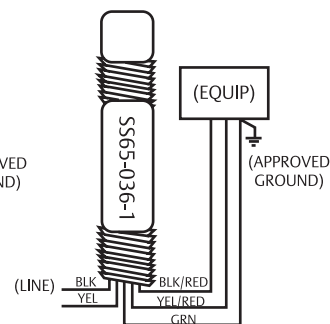
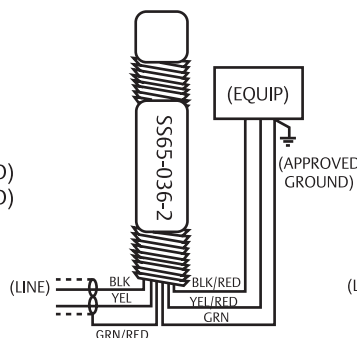
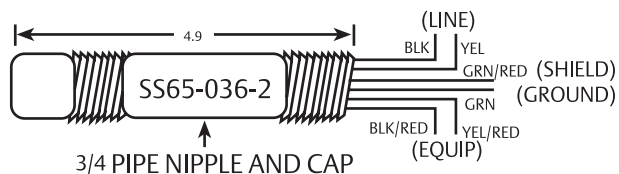
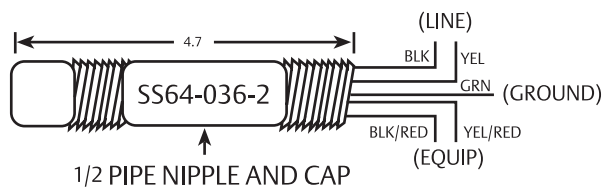
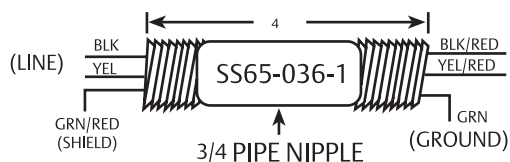
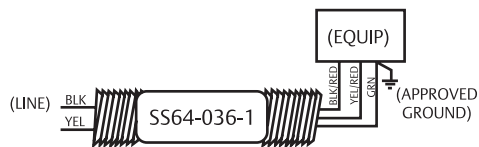
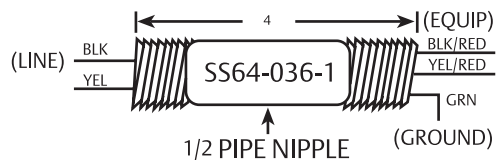
General Technical Specifications

Response Time	< 1 Nanosecond
Maximum Signal Voltage	28 V Max
DC Clamping Level (L-G)	36 V \pm 10%
DC Clamping Level (L-L)	72 V \pm 10%
Peak Surge Current	10 kA (8x20 μ s)
Maximum let-thru Voltage:	
Line-to-Ground (10x700 μ s)	44 V @ 400 A
Maximum let-thru Voltage:	
Line-to-Line (10x700 μ s)	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 μ s)

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

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.

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