



ITT Cannon SURE-SEAL Connectors

A fully proven, simple, and effective IP67 sealed interconnect solution.

ITT Cannon's SURE-SEAL and Mini SURE-SEAL connectors are one-piece rubber molded wire-to-wire connectors for harsh environment transport and industrial applications. SURE-SEAL, which is available in 2 to 10-way variants, and the ultra-miniature Mini SURE-SEAL, which is available in 2 to 4-way variants, delivers IP67 sealing in a simple, field repairable design that is polarized to prevent miss-mating.

With excellent resistance to shock, vibration and temperature cycling plus resistance to engine oil, gasoline, diesel, brake fluid and anti-freeze, the SURE-SEAL series has been proven time and time again. Simple and effective with tens of millions of units shipped you can rely on SURE-SEAL when it matters most.



The ITT Cannon Difference

- Global capabilities and local support
- Proven application expertise
- Over a century of interconnect leadership
- A committed innovator and business partner

Key Product Features

- IP67 Sealing
- Fully proven with tens of millions of units shipped
- Simple and effective one-piece rubber molded design
- Resistant to shock, vibration and temperature cycling
- Resistant to engine oil, gasoline, diesel, brake fluid and anti-freeze
- Polarized against miss-mating
- Both plug and receptacle utilize pin and socket contacts
- A wide variety of tooling and accessories

Visit ittcannon.com to watch the SURE-SEAL video

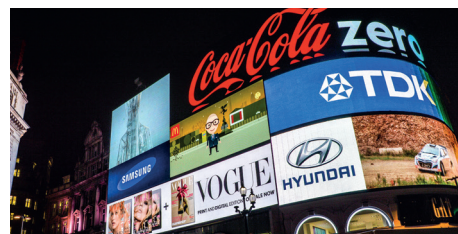
Applications



HEAVY AND OFF-ROAD VEHICLES



TRUCK AND BUS



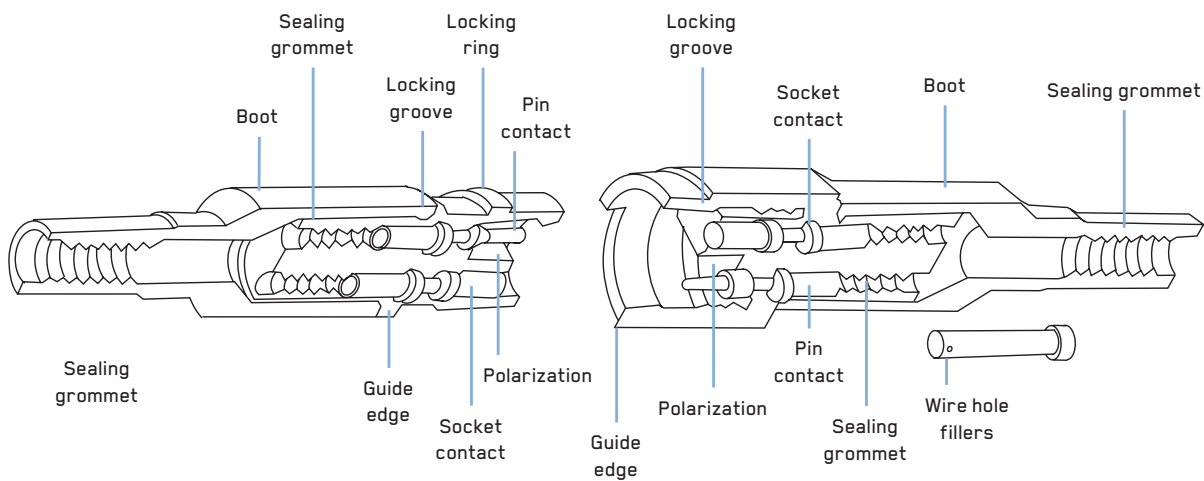
SIGNAGE AND LIGHTING

Product Portfolio

	Mini SURE-SEAL	SURE-SEAL
Number of contacts	2 - 4	2 - 10
Max. Current rating @ 40°C*	11 A	17 A
Wire range	0,4 - 0,75mm² (AWG 20 - 18)	0,5 - 1,0mm² (AWG 20 - 16) 0,75 - 1,5mm² (AWG 18 - 14)
Wire insulation sealing range	1,4 - 1,8 mmØ	1,8 - 2,8 mmØ
Contact platings	Stamped contacts: tin, Machined contacts: silver	Stamped contacts: tin, Machined contacts: silver, gold
Max. Durability**	100 mating cycles	
IP class	IP67 (IEC 60529)	

* Depends on number and type of contacts used. ** Depends on plating and type of contacts used.

Design Drawing



This document solely applies to SURE-SEAL products manufactured by ITT Cannon. ITT Cannon does not assume any responsibility or liability relating to the use, intermatibility, compatibility, or interface of its SURE-SEAL products with any third party Sure-Seal products.

Why ITT

ITT is a focused multi-industrial company that designs and manufactures highly engineered critical components and customized technology solutions. ITT’s Cannon brand is a leading global manufacturer of connector products serving international customers in aerospace, defense, medical, industrial and transportation end markets. ITT’s Connector business, which also includes the Veam and BIW Connector Systems brand, manufactures and supplies a variety of connectors and interconnects that make it possible to transfer data, signal and power in an increasingly connected world.

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