



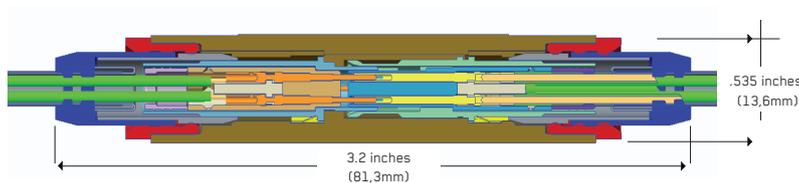
NetSplice Impedance Controlled Wire Splices

Today's data-intensive mission requirements are pushing the need for more advanced, higher speed data transfer rates, especially in military and commercial aircraft applications. But the solutions available to repair high-performance network cables are extremely limited, often resulting in expensive or ad-hoc cable replacements that are unsuitable for harsh environments.

ITT Cannon's new NetSplice kit offers easy-to-install splices for repairing cables on military and commercial aircraft systems. This innovative, lightweight and cost-effective solution uses standard wiring tools to splice together damaged cables used in data transfer and RF applications.

NetSplice Kit

- One splice body
- Two wire-seal boots
- One Size 8, pin contact
- One size 8, socket contact
- One wire strip gauge tool
- One insertion/extraction tool



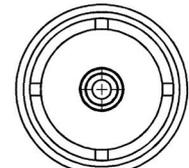
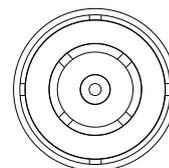
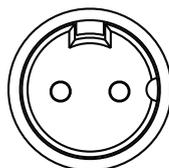
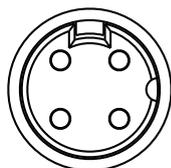
Product performance

- Temperature: -65°C to +175°C
- Shock: EIA-364-27, 300G
- Random vibration: Per EIA-364-28 condition V Per 39029/119 and /120
- Altitude immersion: 70,000 feet per 39029/119 and /120 (pending release)

Material

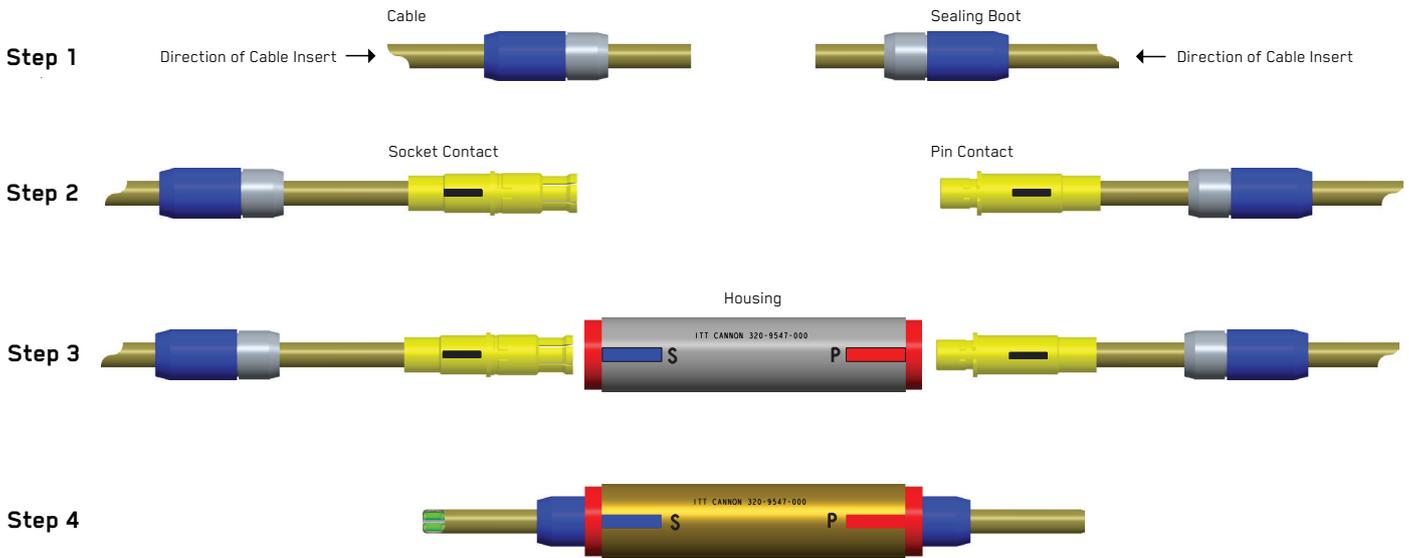
- Splice body: High grade thermoplastic
- Grommets / sealing boots: Fluorosilicone based elastomer
- Contact retention clips: Beryllium copper alloy
- Contacts: Copper alloy, gold plated

Size 8 Contact Configurations



Configuration	Quadrax*	TwinaX	TwinaX (Concentric)	Coax
Kit Part Number	320-9547-000	320-9547-002	320-9547-003	320-9547-004
Wire Size	24-26 AWG	24-26 AWG	M17/176-00002	RG-174, 179, 316

*38999 Quadrax



Step One: Insert cables into sealing boots. Slide enough cable to allow for crimping of the contact.

Step Two: Terminate the pin and socket contacts per the assembly instructions as shown in the associated customer use contact drawings.

Step Three: Insert contacts one at a time. Insert the pin contact into the side with the blue stripe and the socket contact in the side with the red stripe. Make sure the key on each contact is lined up with the stripe as you insert the contacts. This is to aid in the alignment as the key becomes no longer visible inside the housing. You should be able to feel the contact click into place. Tug slightly on the cable to insure the contact is locked into place.

Step Four: Slide the sealing boot over the contact and into the housing until it bottoms into shell. Refer to the Step 4 picture to see what the complete assembly should look like.

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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CHINA - Shenzhen City
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+49.7151.699.0

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KOREA
+82.2.702.7111

SHANGHAI
+ 86.21.2231.2222.2

UK - Basingstoke
+44.1256.347400

FRANCE
+33.1.60.04.93.93

HONG KONG
+852.2732.2720

JAPAN - Kanagawa
+81.462.57.2010

MEXICO - Nogales
+52.631.311005

SINGAPORE
+65 66974205

USA - Irvine, CA
+1.800.854.3028