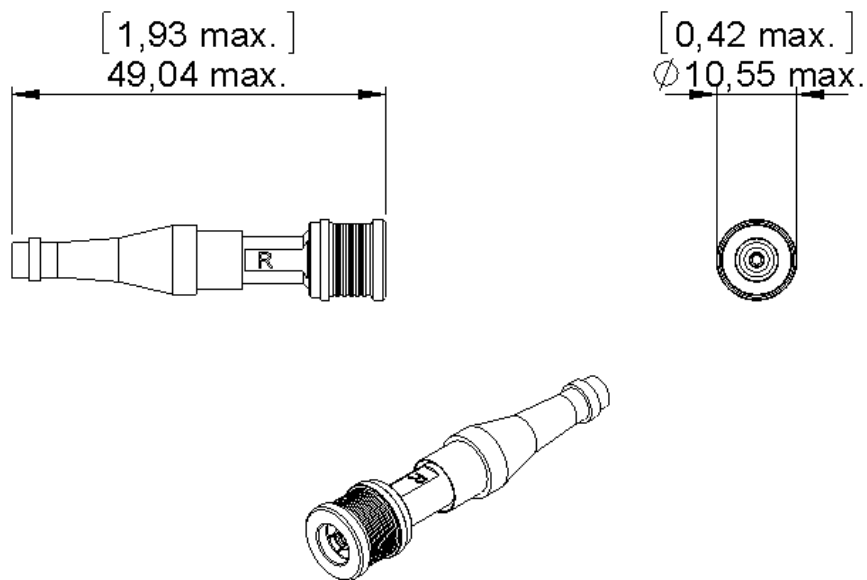


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**EZ-Lux™ PLUG with boot**

EZ-Lux™ was designed to be a compact, easy to mate, single channel solution for LuxCis® ARINC 801 contacts. The push-pull coupling mechanism simplifies the connection, especially in blind mating conditions.



Dimensions are in mm [inches] for information only

**FEATURES:**

- Fast & easy to use with its push-pull locking system
- Single channel connector
- Small foot print
- Push pull coupling mechanism
- Compatible with LuxCis® Arinc 801, Multimode, Singlemode PC and APC optical contact
- Suitable for fiber optic cable diameter from 1.7mm to 2mm



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## CHARACTERISTICS

**OPTICAL CHARACTERISTICS WITH LUXCIS® ARINC 801 CONTACT:**

<b>Optical:</b>	LuxCis® Arinc 801 contact		
	Multimode PC 850 / 1300 nm	Singlemode UPC 1310/1550 nm	Singlemode APC 1310/1550 nm
Insertion Loss (IL) Mean: TIA/EIA-171	0.10 dB	0.15 dB	0.20 dB
Return Loss (RL): TIA/EIA-455-107	> 20 dB	> 50 dB	> 60 dB

**CHARACTERISTICS:**

**Qualification per Arinc 801 standard:**

<b>Mechanical:</b>	Endurance : TIA/EIA 455-21A	100 matings*
	Cable retention : EN2591-610	68 N ( <i>cable dependent</i> )

<b>Environmental:</b>	Temperature range :	-55 °C / +125 °C ( <i>cable dependent</i> )
	Sealing : TIA/EIA 455-15A	Altitude immersion 75000 feet
	Salt spray :	96 h

<b>Material:</b>	Disconnect nut, outer contact :	Brass. Plating : BBR 2µm
	Sleeve:	Zirconia
	Contact retention clip :	Beryllium copper
	O-ring :	Fluorisilicone elastomer
	Boot :	Fluorisilicone elastomer
	Spring:	Stainless steel
	Other parts :	Brass. Plating : Ni 2µm
	Protective caps:	Plastic and silicon


<b>Weight:</b>	Plug without LuxCis contact :	7 g approx. (W/O cap)
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\* EZ-Lux™ has passed additional testing which demonstrates its suitability for 1,000 mating cycles.

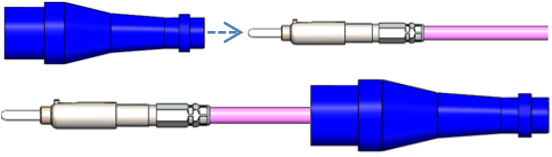

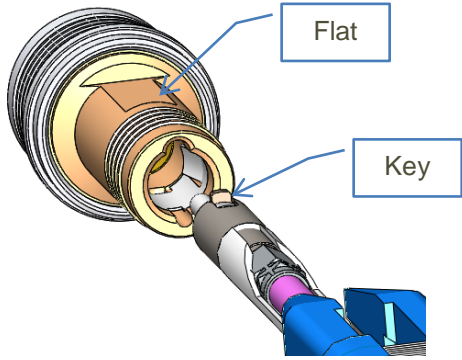
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**INSERTION / EXTRACTION of LUXCIS® ARINC 801 CONTACT**

**Required material:**

Radiall PN	Description	Picture
282 515	Size 16 (MIL-PRF-81969 / 14-03), Plastic insertion and extraction tool	

**Insertion Process:**

Step	Description	Pictures
1	Manually slide the sealing boot onto the cable.  Leave about 10 cm between the rear of the contact and the boot.	
2	Engage the LuxCis® Arinc 801 contact mounted onto its patchcord into the blue side of the insertion tool <b>282 515</b> .  Slide the tool down the cable until the tip of the tool butts against the contact's retention shoulder.	
3	Make sure the <b>flat</b> surface of the plug rear and the contact <b>key</b> are aligned before insertion.  Introduce the contact into the connector cavity, pushing the tool axially, until the contact snaps into position.  Remove the insertion tool and ensure that contact is firmly locked by gently pulling the patchcord.	
4	When the LuxCis® Arinc 801 contact is properly inserted and firmly locked, slide the sealing boot onto the body.	

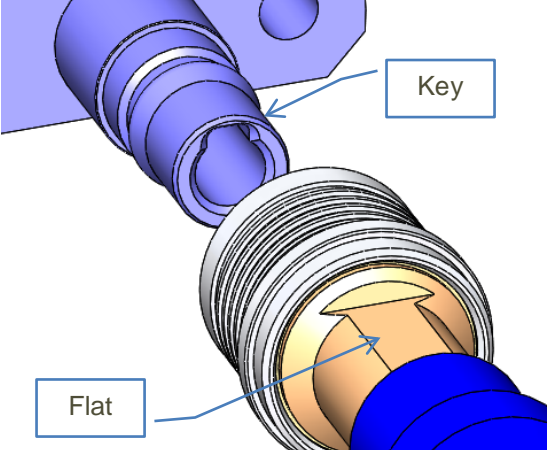
**Extraction Process:**

Manually slide back the sealing boot.  
Use the white side of the tool (282 515) to remove the LuxCis® Arinc 801 contact.

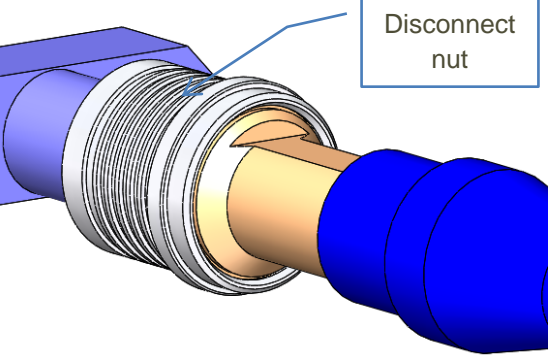
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**PLUG AND RECEPTACLE COUPLING**

**Connection:**

Step	Description	Pictures
1	Hold the plug by its body.	
2	Make sure the flat surface of the plug rear is aligned with the receptacle key.	
3	Push forward to mate. The connector snaps on.	

**Disconnection:**

Step	Description	Pictures
1	Pull back on the disconnect nut.	
2	For high density panel, use the tool R282.868.230 to disconnect.	