








Cannon's ARINC 801 Fiber Optic Solutions meet the growing demand for high speed data, video and networking in harsh environments, where integrity, reliability and performance are essential.

Designed for use in commercial, military and marine applications that require quick, accurate and reliable transfer of large amounts of data, Cannon's ARINC 801 Fiber Optic Connectors are capable of operating at transmission speeds of 10 gigabits/sec (Gb/S) or more. Cannon's Fiber Optic Connectors also offer a high performance, tight tolerance interconnect solution that enable larger bandwidth.

### The Cannon Difference

- Complete end-to-end solution includes connectors, termini & cable harnesses
- Built for maximum performance, speed and durability
- Cost-efficient design for use in multiple markets and applications
- Comprehensive fiber optic manufacturing capabilities including testing, inspection and polishing (Flat, APC, PC)

<b>ARINC 801 Fiber Optic Termini</b>	
<b>ARINC 801 Fiber Optic Connectors</b>	
<b>ARINC 801 Custom Connectors</b>	
<b>ARINC 600</b>	
<b>Cable Harnesses</b>	

### Key Features

- Cannon's Size #16 Termini comply with ARINC 801 Requirements\*
- Low loss termini with precision alignment features
- Termini designs available in both Pull-Proof and Non-Pull Proof types
- End-face finishes available in both APC and PC
- Genderless termini provide a common solution for plug and receptacle applications
- Removable alignment sleeve allows for easy field cleaning
- ARINC 801 Fiber Optic Connectors include a scoop-proof design that offers alternate keying positions
- Several standard ARINC 600 insert arrangements are available for Cannon's Rack & Panel connector family

\*Full Qualification testing in progress

#### Commercial Aerospace



#### Military Avionics



#### Shipboard Systems



# ARINC 801 Termini for Aerospace

## How to Order | Part Number Configurator



**Descriptive Part Number**      **ARC** / **T** - **1** - **PP** **125A**

Series \_\_\_\_\_

Termini Assembly (Genderless) \_\_\_\_\_

Cable Jacket Ø (Dash No) - See Table 1 \_\_\_\_\_

PP = Pull-Proof. NPP = Non-Pull Proof \_\_\_\_\_

Ferrule Diameter A - See Table 2 \_\_\_\_\_

**Table 1**

Dash No	Cable Micron Ø
1	900 Micron Buffer Only
2	2.0/1.7mm

**Table 2**

Ferrule ØA	Fiber Type	Ferrule Polish Type
125A	Singlemode 9/125	APC
125P	Micron Fiber	PC
1255A	Singlemode 9/125	APC
1255P	Micron Fiber	PC
126A	Singlemode 9/125	APC
126P	Micron Fiber	PC
126A	Multimode 50/125 or 62.5/125 Micron Fiber	APC
126P		PC

**Material / Finish**

- Ferrule: Zirconia Ceramic
- Terminus Body: Brass Alloy/Nickel
  - Crimp Sleeve: Brass Alloy/Nickel
  - Spring: Stainless Steel/Passivate

**Notes**

- Crimp sleeve is packaged loose with terminus assembly. Spares may be ordered separately, consult factory.
- Termini for 900 Micron buffer are not provided with crimp sleeves



**Why ITT**

ITT is a focused, multi-industrial company that designs and manufactures highly engineered critical components and customized technology solutions. ITT Cannon is a leading global manufacturer of connector products serving international customers in the aerospace and defense, industrial and medical end markets. We design and engineer a variety of interconnect solutions that make it possible to transfer data, signal and power in an increasingly connected world.

Connect with your ITT Cannon representative today or visit [www.ittcannon.com](http://www.ittcannon.com)

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