



## ITT Cannon Push Pull PL Series

A high quality, versatile and cost effective solution for challenging medical and industrial applications where miniaturized, lightweight and durable connectors are critical to operating performance.

ITT Cannon's PL Series is a 'Plastic Latching' push pull connector that delivers the ultimate in performance when it matters most. Available in 2 to 14 way variants, with durability in excess of 2,000 mating cycles and with 6 keying options and 7 color codings the PL Series is an extremely versatile solution for a wide variety of both disposable and reusable applications.

Cannon's integrated cable assembly solutions combined with intermateability with existing push pull industry solutions ensures the PL Series is the ultimate choice for today's critical applications.



### The ITT Cannon Difference

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

### Key Features

- Innovative self-latching mechanism enables quick and simple mating & un-mating
- Medical grade quality – lightweight and ruggedized
- 6 keying and 7 color coding options enables wide customization
- Available in 2 to 14 way variants
- Accommodates cable sizes  $\varnothing$  2.7 to 6.5mm
- Fully sterilizable – by gas or steam
- Value added cable assembly solutions available
- Intermateable with existing industry solutions

### APPLICATION AREAS



MEDICAL



INDUSTRIAL

## PL Series - How to order

### Straight plug and inline receptacle

PL	XX	X	X	X	X	X	XX	
<b>Push pull plastic</b> Straight plug In-line receptacle A1= straight plug with cable collet ---- solder contact A3= straight plug with cable collet and nut for fitting a bend relief ---- solder contact C1= In-line receptacle with cable collet ---- solder contact C3= In-line receptacle with cable collet and nut for fitting a bend relief ---- solder contact Outer shell material: G= Grey PSU(standard) F= Black PEI B= Black PSU P=Grey PEI Back nut color: 0= Black 1= White 2= Red 4= Yellow 5= Green 6= Blue 8= Grey For A3 and C3 the Back nut is only available in Grey (8)								Number of contacts: 02= 2Pin 03= 3Pin 04= 4Pin 05= 5Pin 06= 6Pin 07= 7Pin 08= 8Pin 09= 9Pin 10= 10Pin 14= 14Pin Coding: 0= 0° (standard) A= 40° C=60° E= 80° H= 170° J=205° Cable collet: 1=ø3.9mm (cable ø=2.7~3.9mm) 2=ø5.2mm (cable ø=4.0~5.2mm) 3=ø6.5mm (cable ø=5.3~6.5mm) Contact plating: 2= Gold plating 20u"

For A3 and C3 type, please order bend relief separately.

PL	XX	X	X	X	X	X	XX	
<b>Receptacle</b> Push pull plastic Receptacle B1= Receptacle with two nuts (back panel mounting) ----solder contact B3= Receptacle with two nuts, (back panel mounting) ----with 90 degree PCB contact B4= Receptacle, front nut fixing ----solder contact Outer shell material: G= Grey PSU(standard) F= Black PEI B= Black PSU P=Grey PEI Back nut color: 0= Black 1= White 2= Red 4= Yellow 5= Green 6= Blue 8= Grey								Number of contacts: 02= 2Pin 03= 3Pin 04= 4Pin 05= 5Pin 06= 6Pin 07= 7Pin 08= 8Pin 09= 9Pin 10= 10Pin 14= 14Pin Coding: 0= 0° (standard) A= 40° C=60° E= 80° H= 170° J=205 Cable collet: 0= no cable collet Contact plating: 2= Gold plating 20u"

### Bend relief

PL	BR	X	XXX0																															
<b>Push pull plastic</b> <b>Bend relief</b> Color: 0= Black 2= Red 3= White 4= Yellow 5= Green 6= Blue 8= Grey				<table border="1"> <thead> <tr> <th colspan="3">Cable n (mm)</th> </tr> <tr> <th></th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>025</td> <td>&gt;2.5</td> <td>3</td> </tr> <tr> <td>030</td> <td>&gt;3.0</td> <td>3.5</td> </tr> <tr> <td>035</td> <td>&gt;3.5</td> <td>4</td> </tr> <tr> <td>040</td> <td>&gt;4.0</td> <td>4.5</td> </tr> <tr> <td>045</td> <td>&gt;4.5</td> <td>5</td> </tr> <tr> <td>050</td> <td>&gt;5.0</td> <td>5.5</td> </tr> <tr> <td>055</td> <td>&gt;5.5</td> <td>6</td> </tr> <tr> <td>060</td> <td>&gt;6.0</td> <td>6.5</td> </tr> </tbody> </table>	Cable n (mm)				Min	Max	025	>2.5	3	030	>3.0	3.5	035	>3.5	4	040	>4.0	4.5	045	>4.5	5	050	>5.0	5.5	055	>5.5	6	060	>6.0	6.5
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### Why ITT

ITT is a focused multi-industrial company that designs and manufactures highly engineered critical components and customized technology solutions. ITT Interconnect Solutions' Cannon brand is a leading global manufacturer of connector products serving international customers in transportation end markets. ITT's Interconnect Solutions 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.

Connect with your ITT Interconnect Solutions representative today or visit us at [www.ittcannon.com](http://www.ittcannon.com)

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