

WPL Connectors Series

► Introduction

WPL connectors can be used in the frequency range of DC ~ 18GHz.

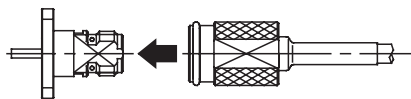
While having the same mating structure as SMA types, these connectors can easy to connect and disconnect. It offers an easier and faster coupling operation, helping the customers to improves work efficiency during production of users systems.

► Features

- No torque wrench required.
- WPL is resistant to vibration because it uses a spring.
- The minimum distance to pitch of the board mounted connector.
- WPL /J can connect to SMA /P. (WPL /P cannot connect to SMA /J.)

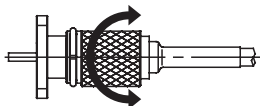
◆ Method of connect.

Push!



Match the position H cut of receptacle to coupling's H cut.

Lock!



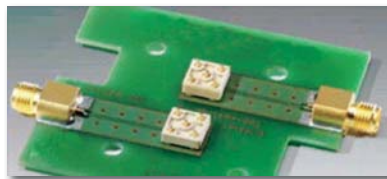
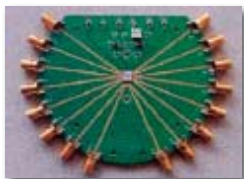
And insert plug.
You rotate the coupling 90 degree, can rotate in both directions.

◆ Method of disconnect.

You rotate back the coupling 90 degrees and then pull it.

► Applications

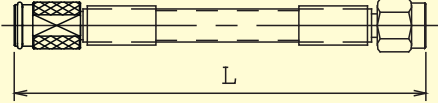

Fixture for the development of device.

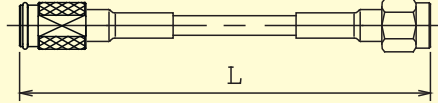



► Product Example

Receptacle	
	WPL/4J Waka No. : 01K2493-10
	WPL/2J Waka No. : 01K2526-10
	WPL/LJ Waka No. : 01K2525-00
	WPL/J ST Waka No. : 01K2550-00
	WPL/J ST Waka No. : 01K2580-00

WPL Adapter	
	WPL/J-J 4F Waka No. : 02K2518-00
	WPL/P-P Waka No. : 02K2521-00
WPL Adapter (Design of equal electric length) NEW	
	WPL/P-J Waka No. : 02K2517-00
	WPL/J-J Waka No. : 02K2646-00
WPL-SMA Adapter	
	WPL/J-SMA/P Waka No. : 02K2501-00
	WPL/P-SMA/P Waka No. : 02K2516-00

Soft Rigid Cable Assy NEW	
	
	WPL/P-SMA/P SP-20M Waka No. : R2BHMAM# □□□□

Semi Flexible Cable Assy	
	
	WPL/P-SMA/P SXL-22FP Waka No. : 02YA596# □□□□

► Products Specification

Requirement	Specification
Operating Frequency Range	DC ~ 18GHz ※
Characteristic Impedance	50 Ω
V.S.W.R.	Max 1.2 (Receptacle)
Insertion Loss	Max 0.15 dB (Receptacle)
Contact Resistance	DC 500V Min 5000M Ω (Receptacle)
Dielectric Withstanding Voltage	AC1000V,rms at Sea Level
Insulation Resistance	AC 50mA : Max 3m Ω
Coupling Nut Attachment Strength	Min 50N
Withdrawal Force	Max 500
Operating Temperature Range	-55 ~ 125°C
Applicable cables	Semi-Rigid Cable or Semi-Flexible Cable ※

※ Semi-Flexible Cable : Operating Frequency Range DC ~ 10GHz