

Connectors featuring a two stud bayonet-coupling mechanism which is particularly useful for frequently coupled and uncoupled RF connections.

At frequencies up to 1 GHz, the small impedance deviation is negligible for any application.

A typical VSWR of 1.15 at 1 GHz is achieved.

Compatibility:

All BNC 75Ω and 50Ω connectors are interchangeable without any restrictions.

Series BNC-75Ω



Microminiature Coaxial Connector

Technical Data

Material Data

Cable Connectors(Short type)

PCB Connectors

Adaptor within-Series

Termination

Microminiature Coaxial Connector

Description

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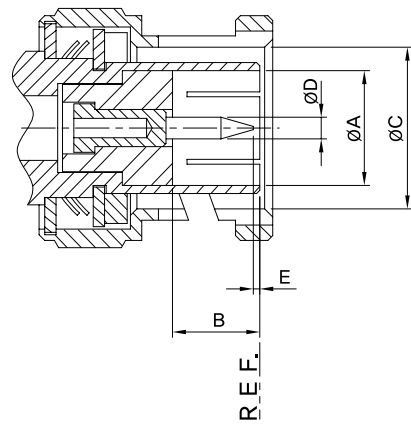
All BNC 75Ω and 50Ω connectors are interchangeable without any restrictions.

Contents

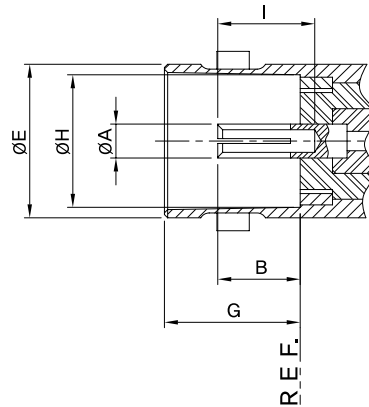
Microminiature Coaxial Connector	.....	256
Technical Data	.....	257
Material Data	.....	257
Cable Connectors(Short type)	.....	258
PCB Connectors	.....	265
Adaptor within-Series	.....	266
Termination	.....	267

Interface Dimensions

Plug (Male)



Jack (Female)



Interface Dimensions in mm/inch

	Plug (Male)		Jack (Female)	
	Min.	Max.	Min.	Max.
A	4.83/0.190	4.97/0.196	-	4.72/0.186
B	5.28/0.208	5.79/0.229	4.72/0.186	5.23/0.206
C	9.78/0.385	9.91/0.39	-	-
D	1.32/0.052	1.37/0.054	2.10/0.083	-
E	0.08/0.003	1.02/0.040	9.60/0.378	9.70/0.382
F	-	-	4.95/0.195	-
G	-	-	8.35/0.329	8.48/0.334
H	-	-	8.10/0.319	8.15/0.321
I	-	-	10.60/0.417	-

Technical Data

Requirement

ELECTRICAL DATA

Impedance	75Ω
Frequency range	DC 1GHz
Dielectric withstanding voltage (at sea level)	1.5 kV rms, 50 Hz
Working voltage (at sea level)	≤ 500 V rms, 50 Hz
Insulation resistance	≥ 5 · 10 ⁹ Ω
Contact resistance	
- Center contacts	≤ 1.5 mΩ
- Outer contacts	≤ 1.0 mΩ

Specification

TEST REQUIREMENTS

MECHANICAL DATA

Coupling nut torque	7 N ~ 28 Ncm / 0.6 in. lbs ~ 2.5 in. lbs
Coupling nut retention force	≥ 450 N / 101.2 lbs
Contact captivation	≥ 27 N / 6.1 lbs
Durability (matings)	≥ 500

TEST REQUIREMENTS

Material Data

Connector Part	Material		Plating
	Male	Female	
PIN	Brass	Beryllium-Copper	Gold
INSULATOR	PTFE	PTFE	-
BODIES	Brass	Brass	Gold or Nickel
SPRING WASHER	-	-	Nickel
GASKET	SILCONE-RUB		-
CRIMP FERRULES	Brass	Brass	Gold or Nickel

Cable Connectors(Short type)

For Flexible cable
Cable entry clamp
Centre contact soldered

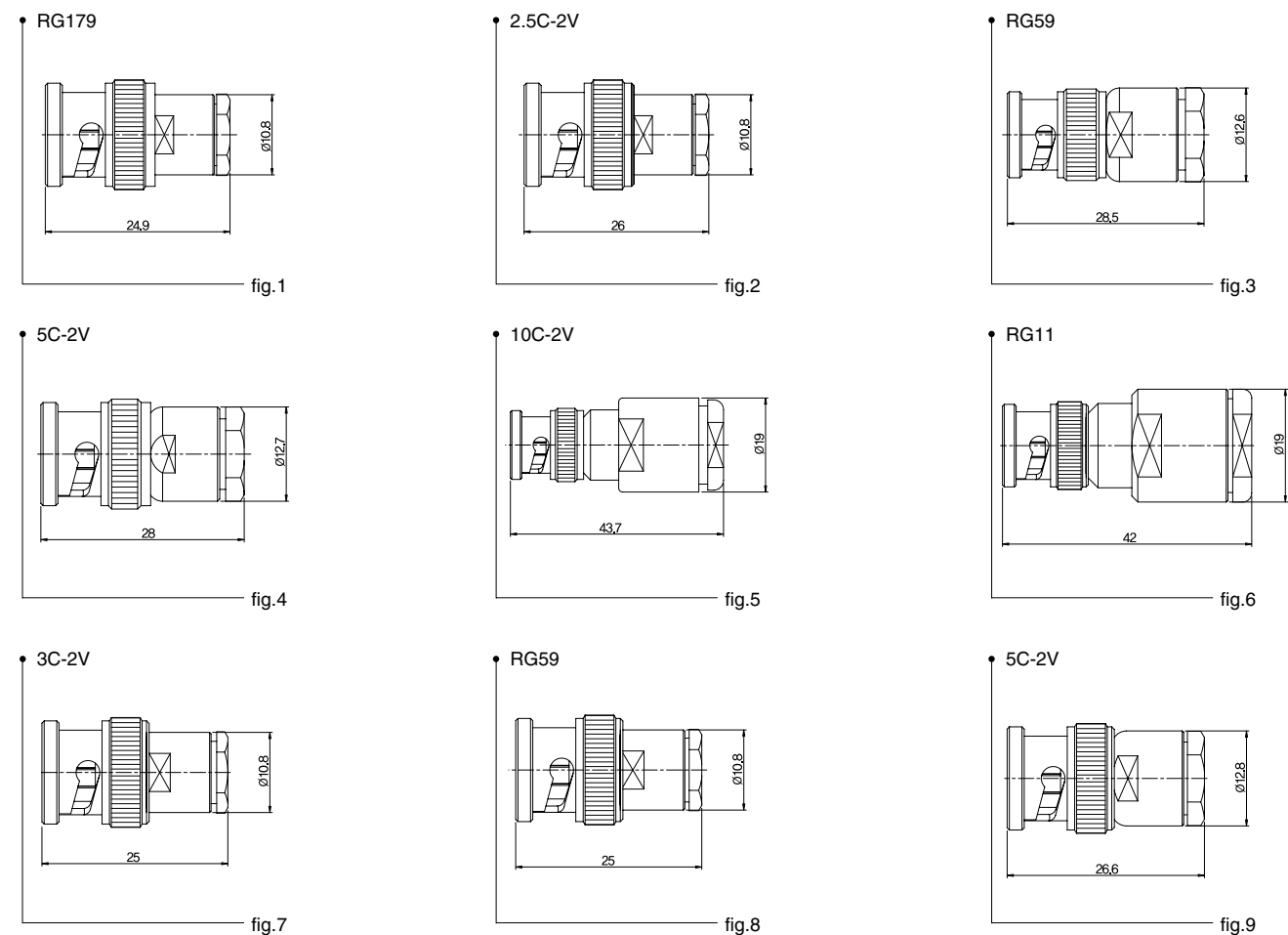


Fig	Type	Code		Cable Goup (example)	Plating			AS-In	Note
		Old Code	New Code		Pin	Body	Coupling		
1	BNC75-P3-179	K327-011-000	CN2911X04-002-1/1	X04 RG179	Gold	Nickel	Nickel		
2	BNC75-P3-2.5C-2V	K327-015-000	CN2911X29-001-1/1	X10 5C-2V	Gold	Nickel	Nickel		
3	BNC75-P3-59	K327-016-297	CN2911X09-003-1/1	X09 RG59	Gold	Nickel	Nickel		
4	BNC75-P3-5C-2V	K327-016-043	CN2911X10-002-1/1	X10 5C-2V	Gold	Nickel	Nickel		
5	BNC75-P3-10C-2V	K327-020-000	CN2911X28-001-1/1	X28 10C-2V	Gold	Nickel	Nickel		
6	BNC75-P3-RG11/U	K327-018-000	CN2911X18-001-1/1	X18 RG11	Gold	Nickel	Nickel		
7	BNC75-P3-3C-2V	K327-017-000	CN2911X30-001-1/1	X30 3C-2V	Gold	Nickel	Nickel		
8	BNC75-P3-59	K327-013-000	CN2911X09-002-1/1	X09 RG59	Gold	Nickel	Nickel		
9	BNC75-PC-2V	K327-019-000	CN2911X10-003-1/1	X10 5C-2V	Gold	Nickel	Nickel		

For flexible cable (long type)
cable entry

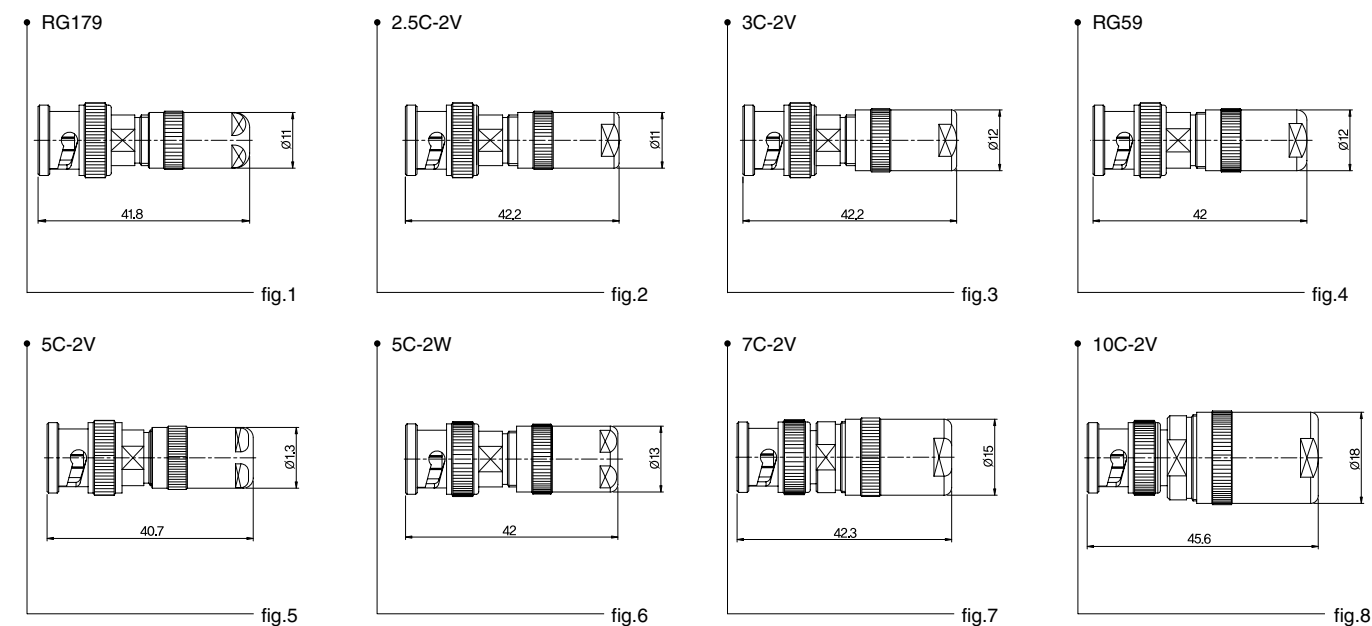


Fig	Type	Code		Cable Goup (example)	Plating			AS-In	Note
		Old Code	New Code		Pin	Body	Coupling		
1	BNC75-P5-179	K327-022-000	CN2911X04-003-1/1	X04 RG179	Gold	Nickel	Nickel		
2	BNC75-P5-2.5C-2V	K327-024-000	CN2911X29-002-1/1	X29 2.5C-2V	Gold	Nickel	Nickel		
3	BNC75-P5-3C-2V	K327-025-000	CN2911X30-002-1/1	X30 3C-2V	Gold	Nickel	Nickel		
4	BNC75-P5-59	K327-023-000	CN2911X09-004-1/1	X09 RG59	Gold	Nickel	Nickel		
5	BNC75-P5-5C-2V	K327-027-000	CN2911X10-004-1/1	X10 5C-2V	Gold	Nickel	Nickel		
6	BNC75-P5-5C-2W	K327-028-000	CN2911X26-002-1/1	X10 5C-2W	Gold	Nickel	Nickel		
7	BNC75-P95-7C-2V	K327-029-000	CN2911X27-002-1/1	X27 7C-2V	Gold	Nickel	Nickel		
8	BNC75-P5-10C-2V	K327-030-000	CN2911X28-002-1/1	X28 10C-2V	Gold	Nickel	Nickel		

For flexible cable
Cable entry crimp

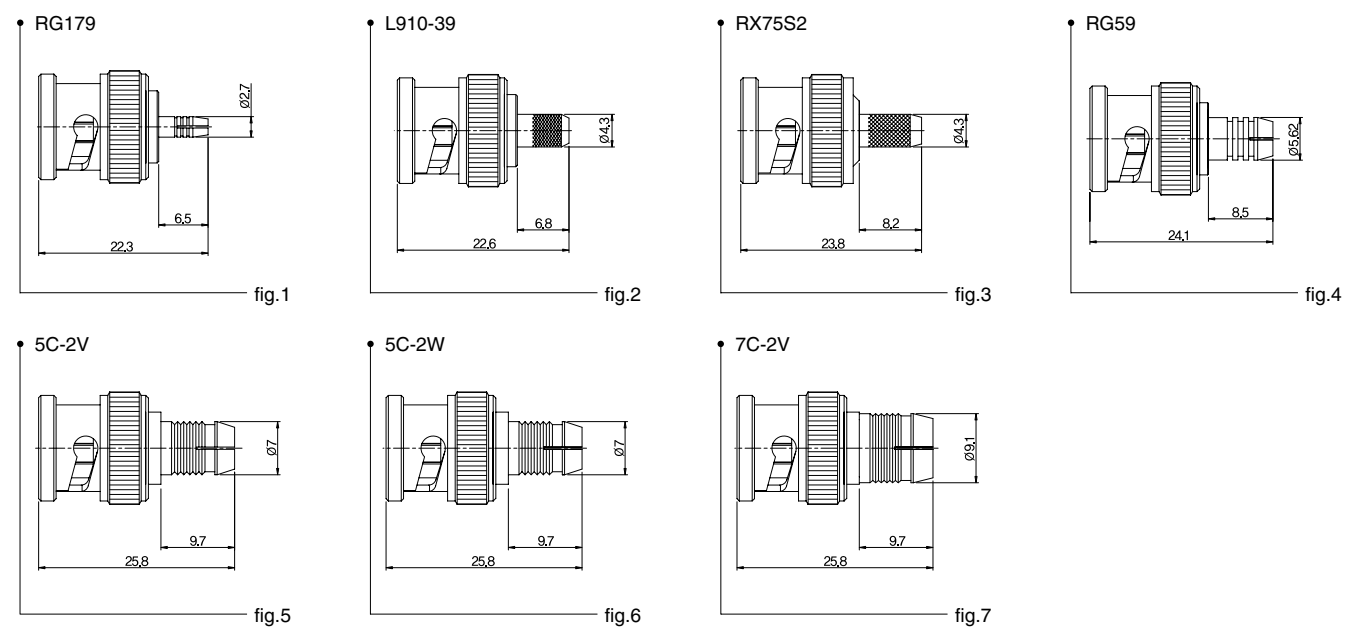


Fig	Type	Code		Cable Goup (example)	Plating			AS-In	Note
		Old Code	New Code		Pin	Body	Coupling		
1	BNC75-PC-179	K327-001-000	CN2911X04-001-1/1	X04 RG179	Gold	Nickel	Nickel		
2	BNC75-PC-L910-39	K327-004-000	CN2911X05-001-1/1	X05 L910-39	Gold	Nickel	Nickel		
3	BNC75-PC-RX75S2	K327-001-300	CN2911X25-001-1/1	X25 RX75S2	Gold	Nickel	Nickel		
4	BNC75-PC-59	K327-002-000	CN2911X09-001-1/1	X09 RG59	Gold	Nickel	Nickel		
5	BNC75-PC-5C-2V	K327-008-000	CN2911X10-001-1/1	X10 5C-2V	Gold	Nickel	Nickel		
6	BNC75-PC-5C-2W	K327-009-000	CN2911X26-001-1/1	X26 5C-2W	Gold	Gold	Nickel		
7	BNC75-PC-7C-2V	K327-010-000	CN2911X27-001-1/1	X27 7C-2V	Gold	Gold	Nickel		

Right Angle Cable Plugs (male)

For flexible cable
Cable entry clamp

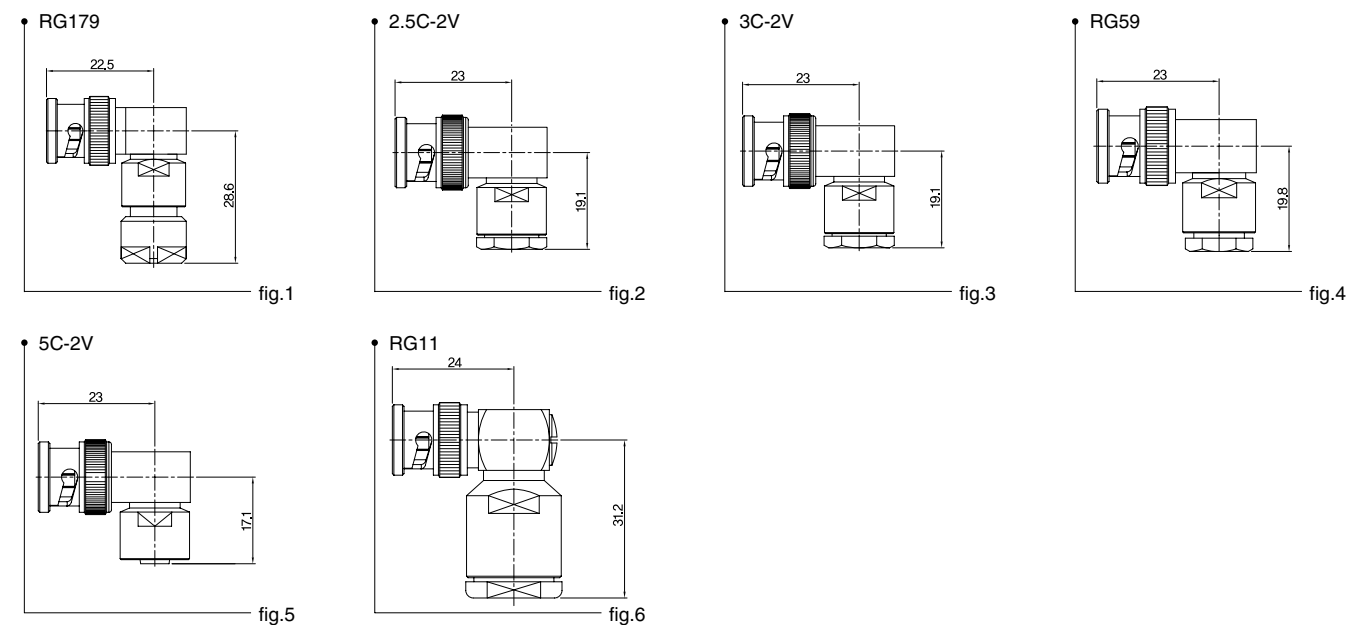


Fig	Type	Code		Cable Goup (example)	Plating			AS-In	Note
		Old Code	New Code		Pin	Body	Coupling		
1	BNC75-LP3-179	K327-112-000	CN2931X04-002-1/1	X04 RG179	Gold	Nickel	Nickel		
2	BNC75-LP3-2.5C-2V	K327-119-000	CN2931X29-001-1/1	X29 2.5C-2V	Gold	Nickel	Nickel		
3	BNC75-LP3-3C-2V	K327-120-000	CN2931X30-001-1/1	X30 3C-2V	Gold	Nickel	Nickel		
4	BNC75-LP3-59	K327-113-000	CN2931X09-002-1/1	X09 RG59	Gold	Nickel	Nickel		
5	BNC75-LP3-5C-2V	K327-121-000	CN2931X10-001-1/1	X10 5C-2V	Gold	Nickel	Nickel		
6	BNC75-LP3-RG11	K327-122-000	CN2931X18-001-1/1	X18 RG11	Gold	Nickel	Nickel		

For flexible cable
Cable entry crimp

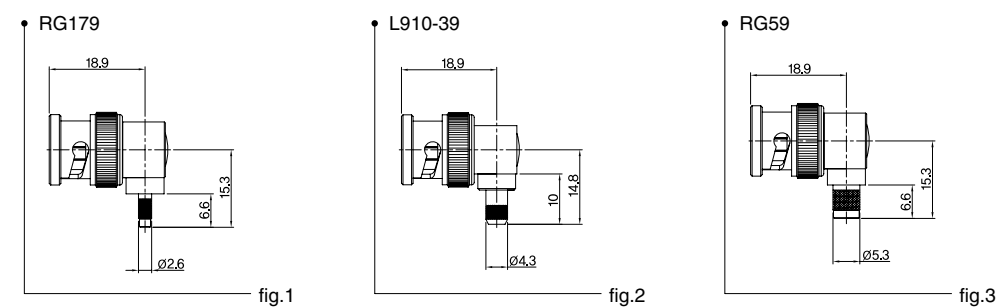


Fig	Type	Code		Cable Goup (example)	Plating			AS-In	Note
		Old Code	New Code		Pin	Body	Coupling		
1	BNC75-LPC-179	K327-110-000	CN2931X04-001-1/1	X04 RG179	Gold	Nickel	Nickel		
2	BNC75-LPC-L910-39	K327-123-000	CN2931X05-001-1/1	X05 L910-39	Gold	Nickel	Nickel		
3	BNC75-LPC-59	K327-111-000	CN2931X09-001-1/1	X09 RG59	Gold	Nickel	Nickel		

● Straight Cable Jacks (female)

For flexible cable
Cable entry clamp

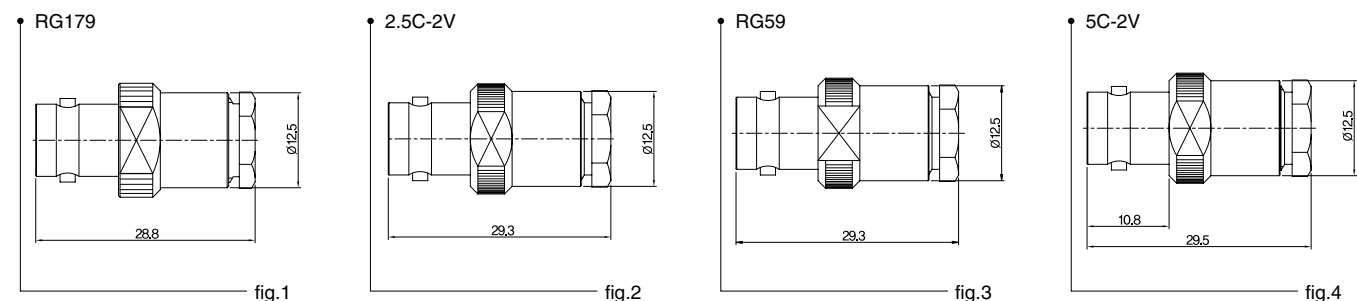


Fig	Type	Code		Cable Goup (example)	Plating			AS-In	Note
		Old Code	New Code		Pin	Body	Back Net		
1	BNC75-J3-179	K327-223-000	CN2912X04-002-1/1	X04 RG179	Gold	Nickel	Nickel		
2	BNC75-J3-2.5C-2V	K327-224-000	CN2912X29-001-1/1	X29 2.5C-2V	Gold	Nickel	Nickel		
3	BNC75-J3-59	K327-222-000	CN2912X04-001-1/1	X09 RG59	Gold	Nickel	Nickel		
4	BNC75-J3-5C-2V	K327-226-000	CN2912X10-001-1/1	X10 5C-2V	Gold	Nickel	Nickel		

For flexible cable
Cable entry crimp

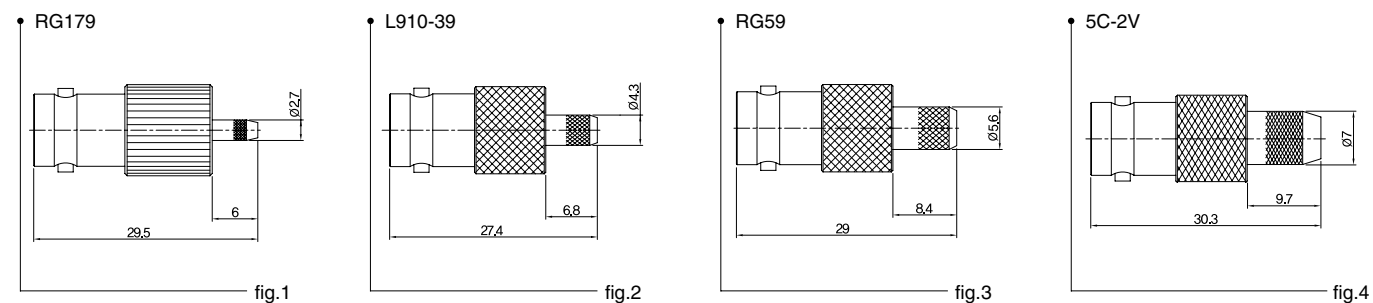


Fig	Type	Code		Cable Goup (example)	Plating		AS-In	Note
		Old Code	New Code		Pin	Body		
1	BNC75-JC-179	K327-229-000	CN2912X04-003-1/1	X04 RG179	Gold	Nickel		
2	BNC75-JC-L910-39	K327-225-000	CN2912X05-001-1/1	X05 L910-39	Gold	Nickel		
3	BNC75-JC-59	K327-228-000	CN2912X09-001-1/1	X09 RG59	Gold	Nickel		
4	BNC75-JC-5C-2V	K327-231-000	CN2912X10-002-1/1	X10 5C-2V	Gold	Nickel		

● Straight Bulkhead Cable Jacks (female)

For flexible cable
Cable entry crimp
With panel seal

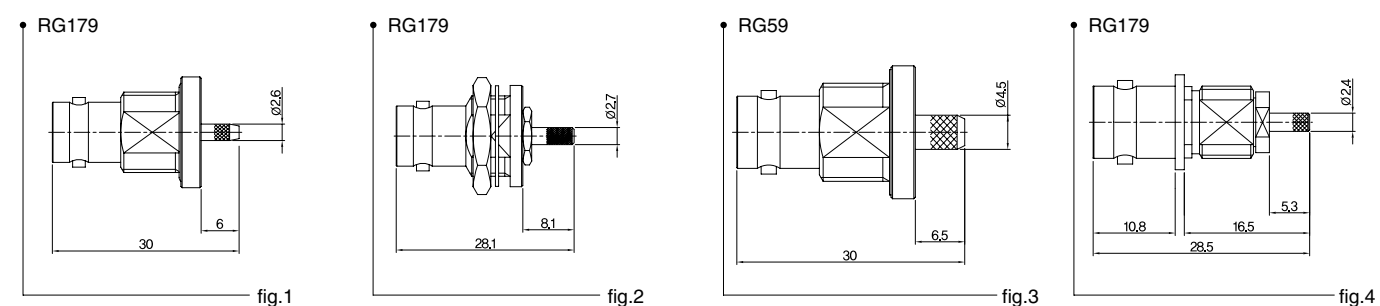


Fig	Type	Code		Cable Goup (example)	Plating			Mounting Hole	AS-In	Note
		Old Code	New Code		Pin	Body	Back Net			
1	BNC75-BJ-C-179	K327-345-001	CN2922X04-002-1/1	X04 RG179	Gold	Nickel	-			
2	BNC75-BJ-3C-179	K327-343-002	CN2922X04-001-1/1	X04 RG179	Gold	Nickel	Nickel	ML40	H Cutting	
3	BNC75-BJ-C-59	K327-345-000	CN2922X09-001-1/1	X09 RG59	Gold	Nickel	-			
4	BNC75-J-B3C-179	K327-349-000	CN2926X04-001-1/1	X04 RG179	Gold	Nickel	Nickel	ML47		

● Straight Cable Jacks (female)

For flexible cable
Cable entry clamp
Centre contact soldered

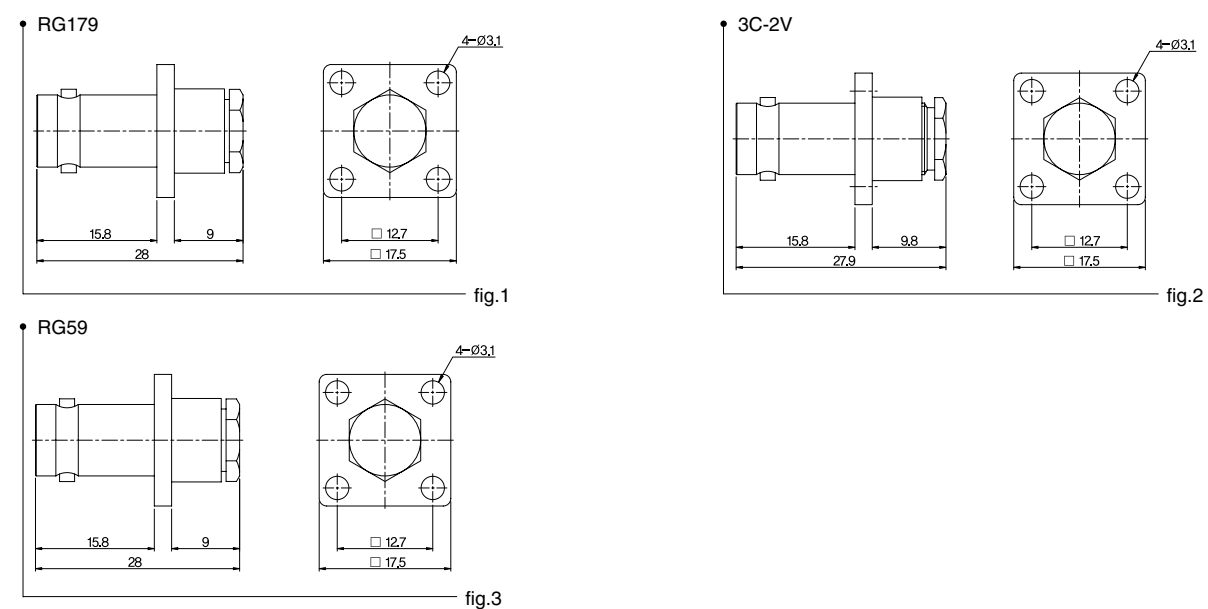


Fig	Type	Code		Cable Goup (example)	Plating			Mounting Hole	AS-In	Note
		Old Code	New Code		Pin	Body	Back Net			
1	BNC75-J-H4-3-179	K327-232-000	CN2944X04-001-1/1	X04 RG179	Gold	Gold	Gold			
2	BNC75-J-H4-3-3C-2V	K327-234-000	CN2944X30-001-1/1	X30 3C-2V	Gold	Gold	Gold	ML54		
3	BNC75-J-H4-3-59	K327-233-000	CN2944X09-001-1/1	X09 RG59	Gold	Gold	Gold			

For flexible cable
Cable entry crimp

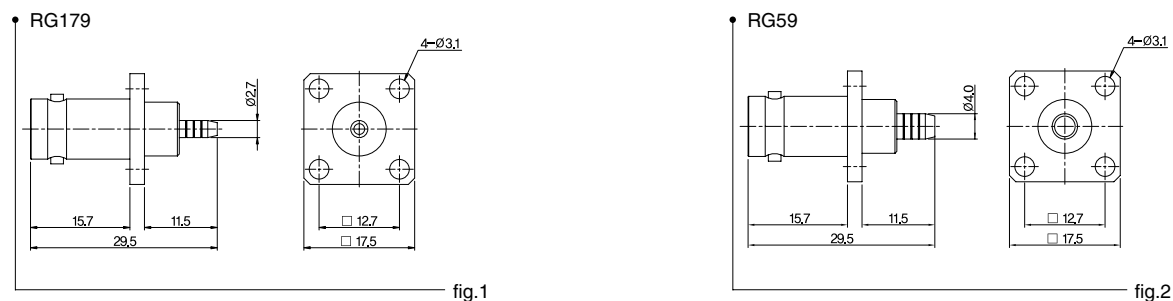


Fig	Type	Code		Cable Goup (example)	Plating		Mounting Hole	AS-In	Note
		Old Code	New Code		Pin	Body			
1	BNC75-J-H4-C-179	K327-236-000	CN2944X04-002-1/1	X04 RG179	Gold	Nickel	ML46		
2	BNC75-J-H4-C-59	K327-237-000	CN2944X09-002-1/1	X09 RG59	Gold	Nickel			

Receptacles with Solder End

● Receptacle Jack(female)

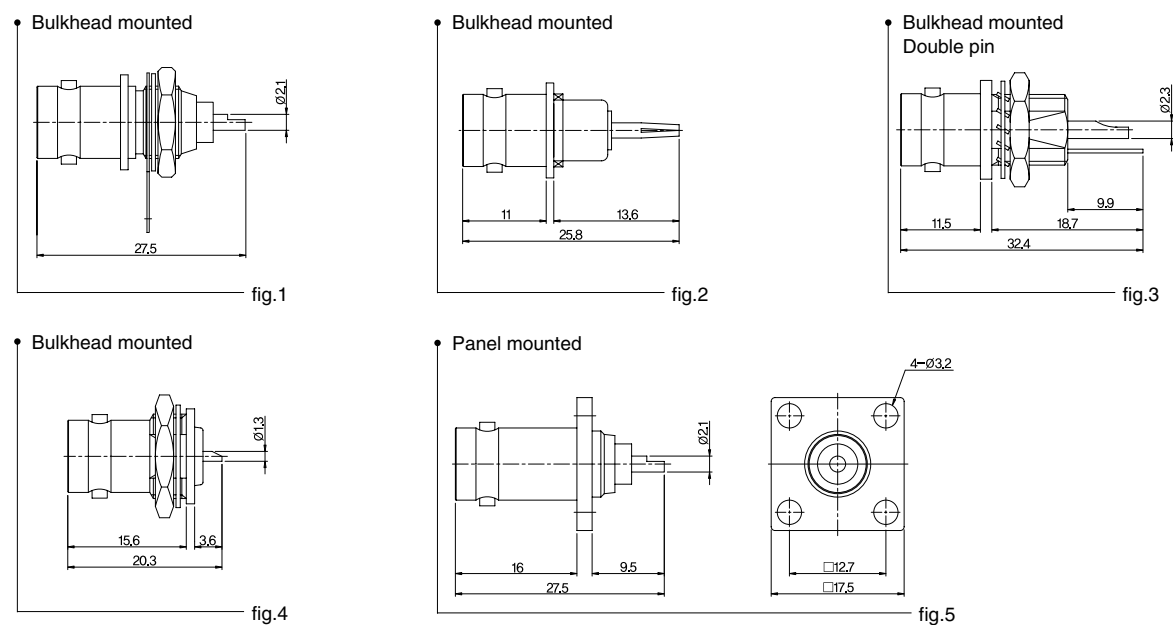


Fig	Type	Code		Plating		Mounting Hole	AS-In	Note
		Old Code	New Code	Pin	Body			
1	BNC75-J-BR	K327-564-004	CN2926000-001-1/1	Gold	Nickel	ML47		
2	BNC75-J-BR	K327-564-003	CN2926000-002-1/1	Gold	Nickel	ML55		Press Type
3	BNC75-J-BR	K327-565-000	CN2926000-003-1/1	Gold	Nickel	ML42		2 PIN
4	BNC75-J-BR	K327-566-000	CN2926000-004-1/1	Gold	Nickel			
5	BNC75-J-H4-R	K327-454-000	CN2944000-001-1/1	Gold	Nickel	ML46		

PCB Connectors

● Receptacle Jack(female)

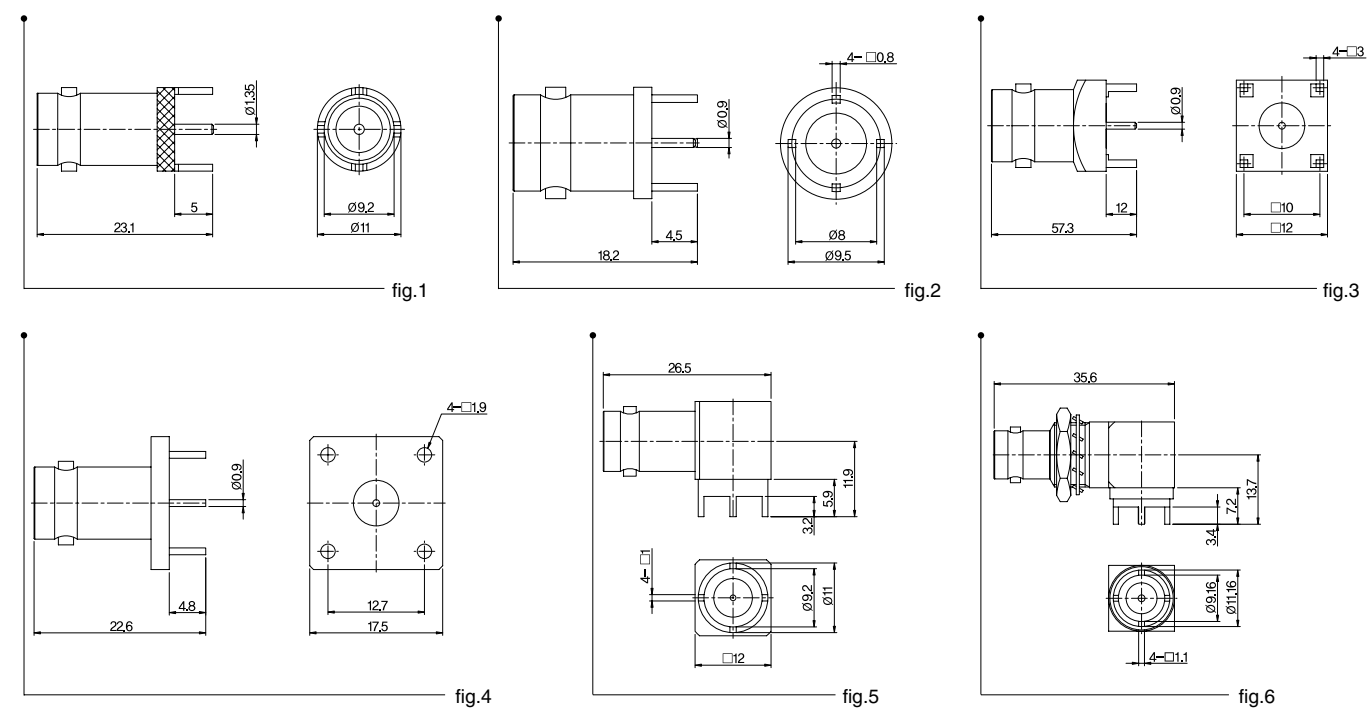
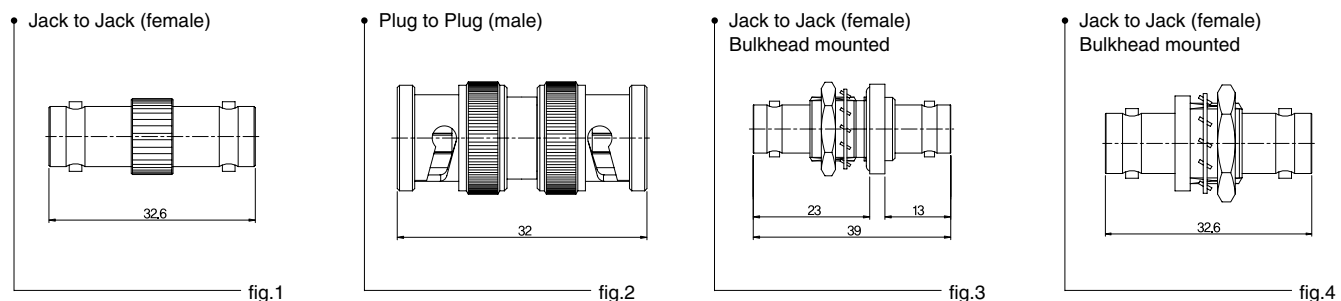


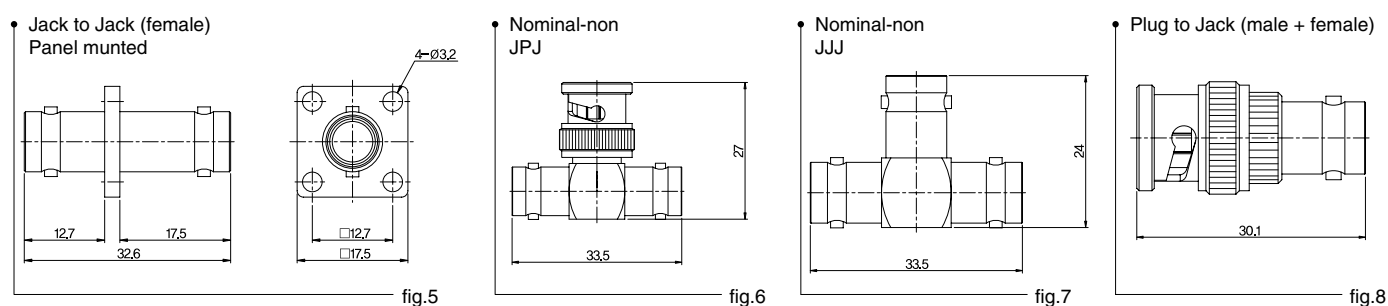
Fig	Type	Code		Plating		Mounting Hole	AS-In	Note
		Old Code	New Code	Pin	Body			
1	BNC75-J-4R-R	K327-456-002	CN2951000-003-1/1	Gold	Nickel	ML56		
2	BNC75-J-4R-R	K327-456-000	CN2951000-002-1/1	Gold	Nickel	ML57		
3	BNC75-J-4R-R	K327-455-000	CN2951000-001-1/1	Gold	Nickel	ML52		
4	BNC75-J-4R-R	K327-458-000	CN2951000-004-1/1	Gold	Nickel	ML58		
5	BNC75-LJ-4R-R	K327-672-006	CN2953000-001-1/1	Gold	Nickel	ML59		
6	BNC75-LBJ-4R-R	K327-677-000	CN2954000-001-1/1	Gold	Nickel	ML60		

Adaptor within-Series

● Straight Adaptors



● T-Adaptors



● Right Angle Adaptor

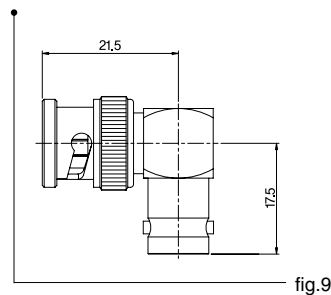


Fig	Type	Code		Plating			Mounting Hole	AS-In	Note
		Old Code	New Code	Pin	Body	Coupling			
1	BNC75-A-JJ	K327-781-000	AD2912-001-1/1	Gold	Nickel	-	-		
2	BNC75-A-PP	K327-780-000	AD2911-001-1/1	Gold	Nickel	Nickel	-		
3	BNC75-BA-JJ	K327-783-000	AD2922-001-1/1	Gold	Nickel	-	ML42		
4	BNC75-BA-JJ	K327-783-001	AD2922-002-1/1	Gold	Nickel	-			
5	BNC75-PA-JJ	K327-782-000	AD2946-001-1/1	Gold	Nickel	-	ML54		
6	BNC75-TA-JPJ	K327-786-000	AD2952-001-1/1	Gold	Nickel	Nickel	-		
7	BNC75-TA-JJJ	K327-788-000	AD2951-001-1/1	Gold	Nickel	-	-		
8	BNC75-A-JP	K327-702-000	AD2913-001-1/1	Gold	Nickel	Nickel	-		
9	BNC75-LA-JP	K327-784-000	AD2933-001-1/1	Gold	Nickel	Nickel	-		

Termination

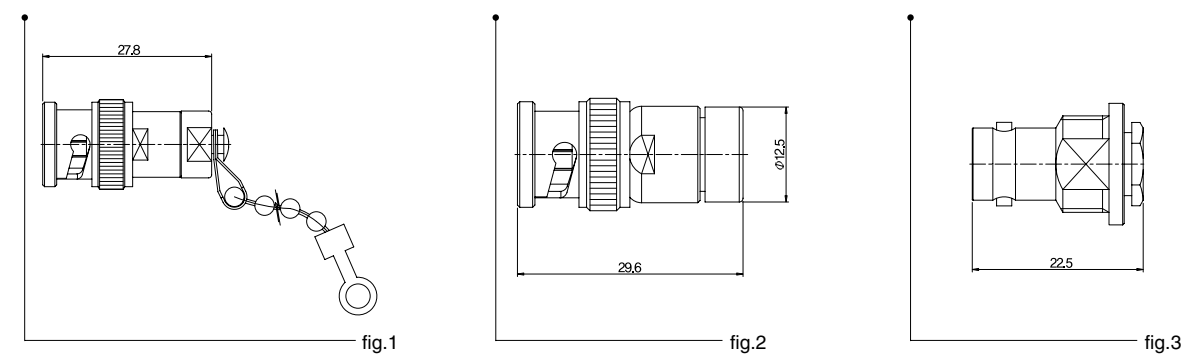
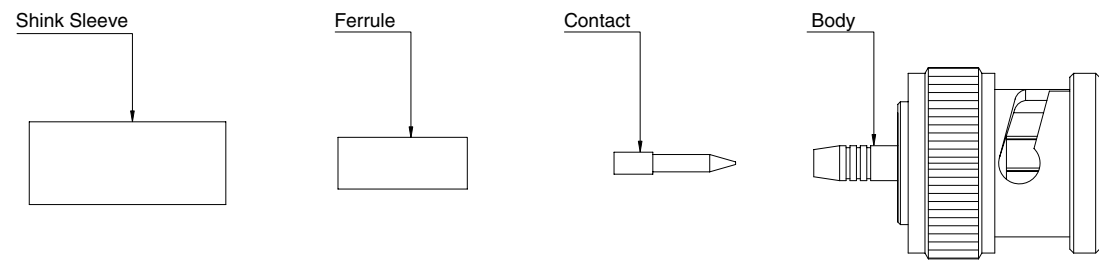


Fig	Type	Code		Power	Note
		Old Code	New Code		
1	BNC75-P-TERM	K327-910-000	CN2992-001-1/1	1/4 WATT	Chain
2	BNC75-P-TERM	K327-930-000	CN2991-001-1/1		No Chain
3	BNC75-J-TERM	K327-940-000	CN2994-001-1/1		No Chain

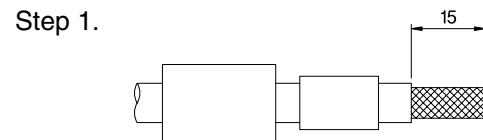
● STANDARD CRIMP



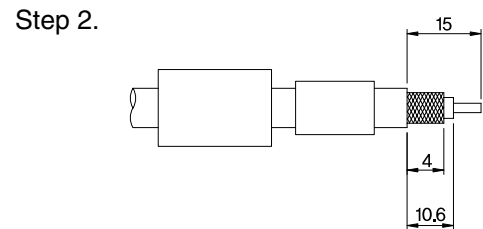
● CONNECTORS

- K325-001
- K325-002
- K327-001
- K327-002
- K327-006
- K327-008
- K327-009
- K327-010

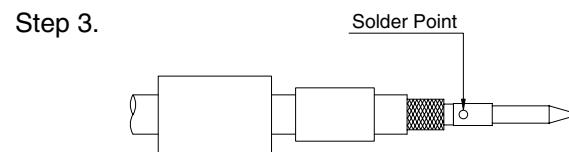
1. Insert the ferrule and the heat shrink sleeve into the cable and strip off the outer seath.



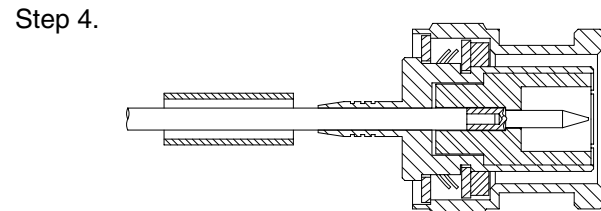
2. After stripping off the out conductor and inner conductor as shown in the diagram, prepare the inner conductor to solder.



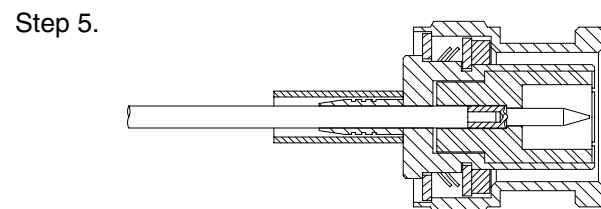
3. Insert the center contact into the cable and solder the solder point.



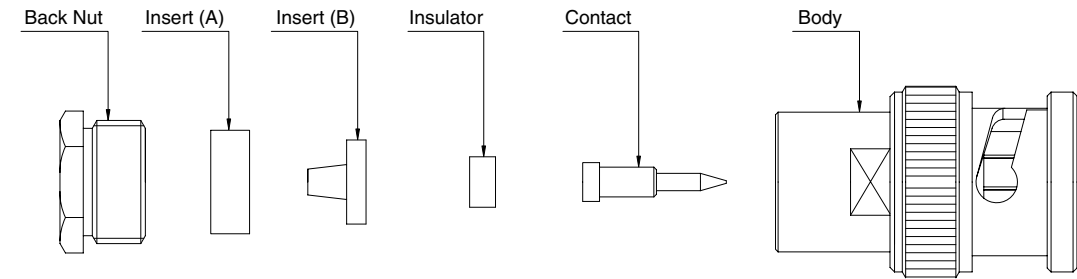
4. After inserting the center contact and the dielectric core of the cable into the body to be wrapped with the above portion of the body as shown in the diagram, push the ferrule and crimp with the crimp tool.



5. Push the heat shrink sleeve to the above of the ferrule crimped and contract by heating.



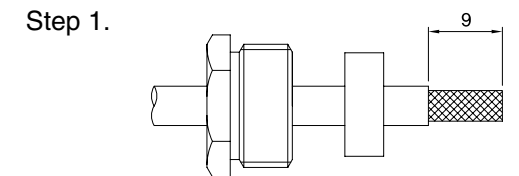
● STANDARD CLAMP



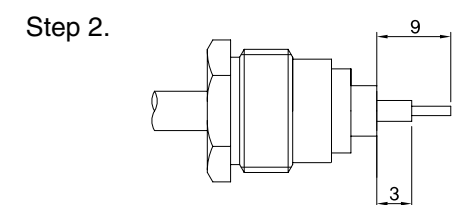
● CONNECTORS

- K325-001
- K325-012-468
- K325-013

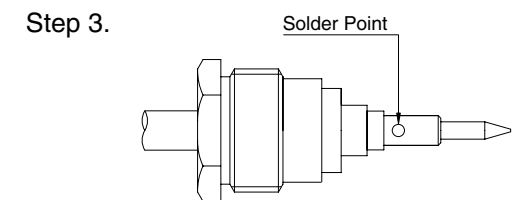
1. Insert the back nut, the washer, the gasket, the clamp in the order named and strip off the outer seath.



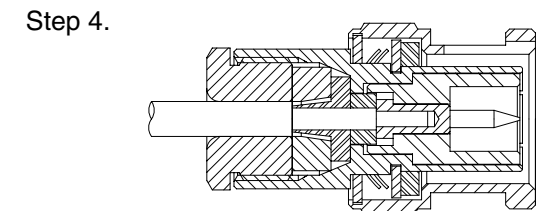
2. After stripping off the out conductor and the center conductor as shown in the diagram, attach the outer conductor the back of the clamp.



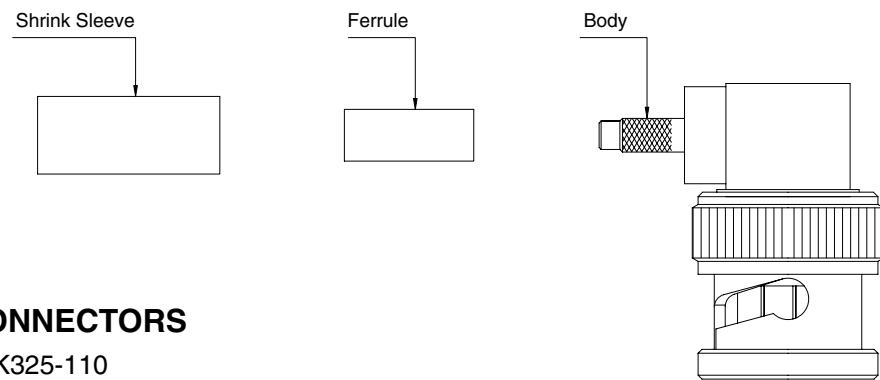
3. Prepare the center conductor to solder and contact to the center.



4. Insert the cable, the gasket, the washer, the back nut into the body in the order named and screw the back nut.



● RIGHT ANGLE CRIMP



● CONNECTORS

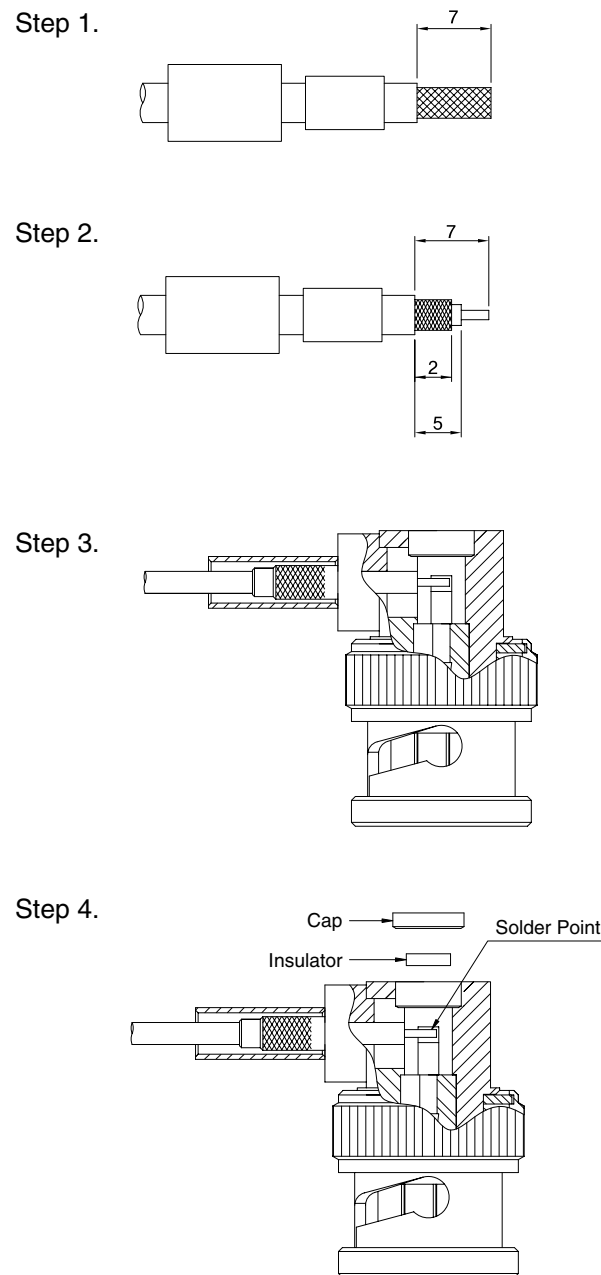
- K325-110
- K325-111

1. Insert the ferrule and the heat shrink sleeve into the cable and strip off the outer seath.

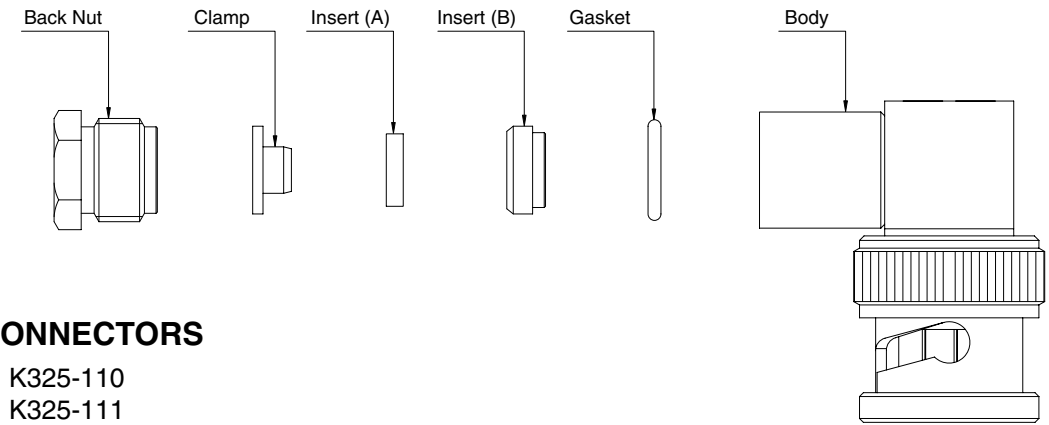
2. After stripping off the out conductor and the Inner conductor and the Inner conductor as shown in the diagram, prepare the Inner conduct to solder.

3. Push the cable and the ferrule into the body.

4. After soldering the solder point, contract with inserting with the shrink sleeve and then seal up the Insulator, cap in the order named.



● RIGHT ANGLE CLAMP



● CONNECTORS

- K325-110
- K325-111

1. Insert the back nut, the gasket into the cable in the order named and strip off the out seath.

2. Strip off the out conductor and the center conductor as shown in the diagram.

3. Put the gasket, the clamp 1, the clamp 2 to the back nut equally in the order named in the cable.

4. After inserting the cable into the body and acrewing with the coupling torque, seal up the Insulator, the cap in the order named.

