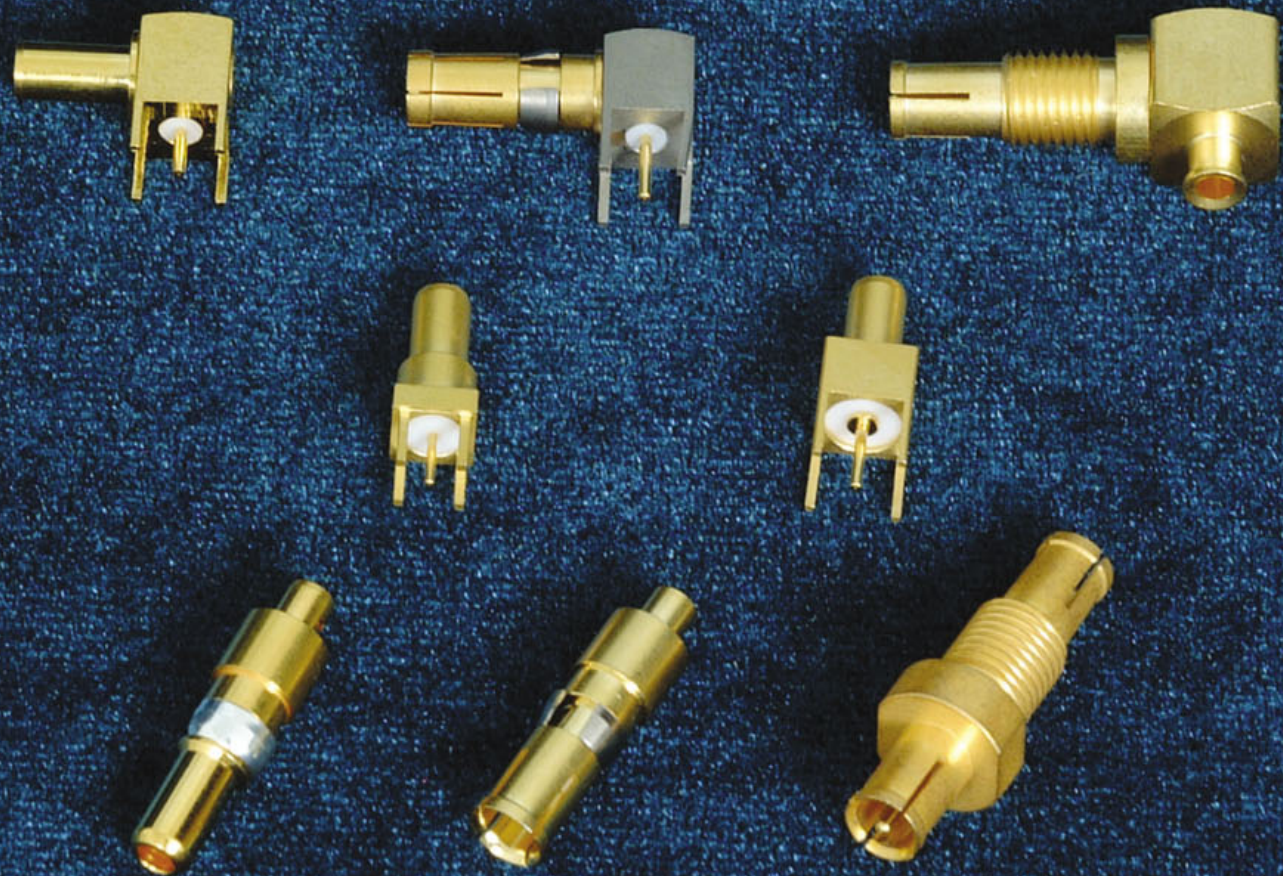


This range of coaxial contacts has been especially for use is the mixed layout arrangement of subminiature D connectors.

Whose bodies have cavities for either coaxial, high power of high voltage inserts. These contacts have soldered inner and crimped conductors.

SOLDERED INNER AND CRIMPED CONDUCTORS



Series D-SUB

Microminiature Coaxial Connector

Technical Data

Material Data

Cable Connectors

PCB Connectors

Termination

Microminiature Coaxial Connector

● **Description**

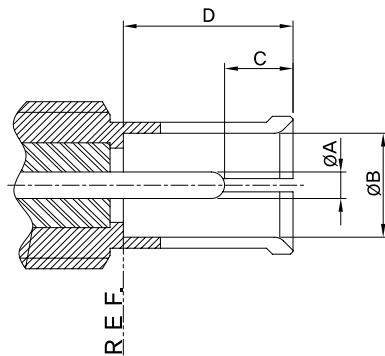
This range of coaxial contacts has been especially for use is the mixed layout arrangement of subminiature D connectors. Whose bodies have cavities for either coaxial, high power of high voltage inserts. These contacts have soldered inner and crimped conductors.

● **Contents**

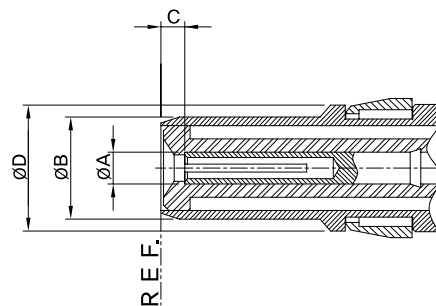
Microminiature Coaxial Connector 232
 Technical Data 233
 Material Data 233
 Cable Connectors 234
 PCB Connectors 237
 Termination 237

● **Interface Dimensions**

Plug (Male)



Jack (Female)



● **Interface Dimensions in mm/inch**

	Plug (Male)		Jack (Female)	
	Min.	Max.	Min.	Max.
A	0.99/0.039	1.01/0.040	1.20/0.047	1.35/0.053
B	-	3.92/0.154	-	3.85/0.152
C	0.10/0.004	0.50/0.020	0.90/0.035	1.10/0.043
D	5.45/0.215	5.65/0.222	-	4.75/0.187

Technical Data

Requirement

● **ELECTRICAL DATA**

Impedance
 Frequency range
 Test voltage
 Working voltage (at sea level)
 Insulation resistance

Specification

● **TEST REQUIREMENTS**

50Ω
 DC 2GHz
 1500 V rms, 50 Hz
 ≤ 500 V rms, 50 Hz
 ≥ 10⁴ MΩ

● **MECHANICAL DATA**

Connecting operations

● **TEST REQUIREMENTS**

≥ 50

Material Data

Connector Part	Material		Plating
	Male	Female	
PIN	Beryllium-Copper	Brass	Gold
INSULATOR	PTFE	PTFE	-
BODIES	Brass	Beryllium-Copper	Gold
SPRING RING	Beryllium-Copper	Beryllium-Copper	Nickel
FERRULES	Brass	Brass	Gold

Cable Connectors

● Straight Cable Plug(male)

For Semi-rigid cable
Cable entry Soldered
Centre Contact Soldered

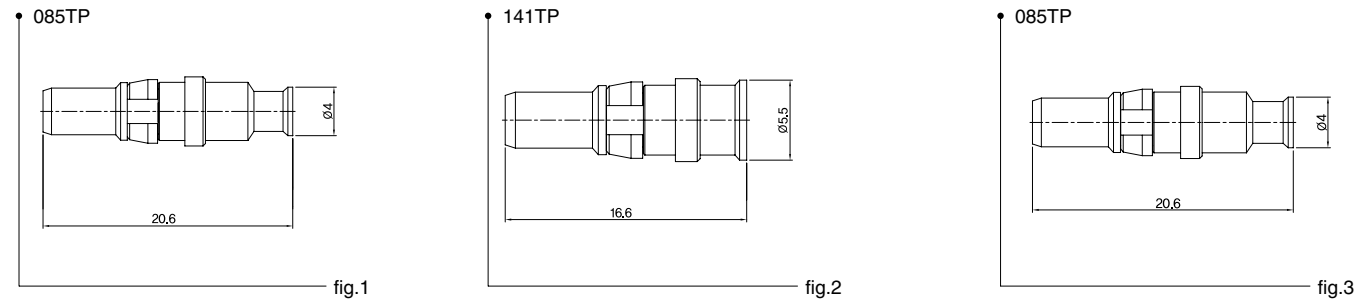


Fig	Type	Code		Cable Goup (example)	Plating			AS-In	Note
		Old Code	New Code		Pin	Body	Spring ring		
1	D-SUB50-PS-085	K385-268-000	CN4211S03-001-1/1	S03 085TP	Gold	Gold	Nickel		Pin : \varnothing 1.0
2	D-SUB50-PS-141	K385-280-000	CN4211S04-001-1/1	S04 141TP	Gold	Gold	Nickel		Pin : \varnothing 1.0
3	D-SUB50-PS-085	K385-268-001	CN4211S03-002-1/1	S03 085TP	Gold	Gold	Nickel		Pin : \varnothing 0.75

For flexible cable
Cable entry Crimp
Centre Contact Soldered

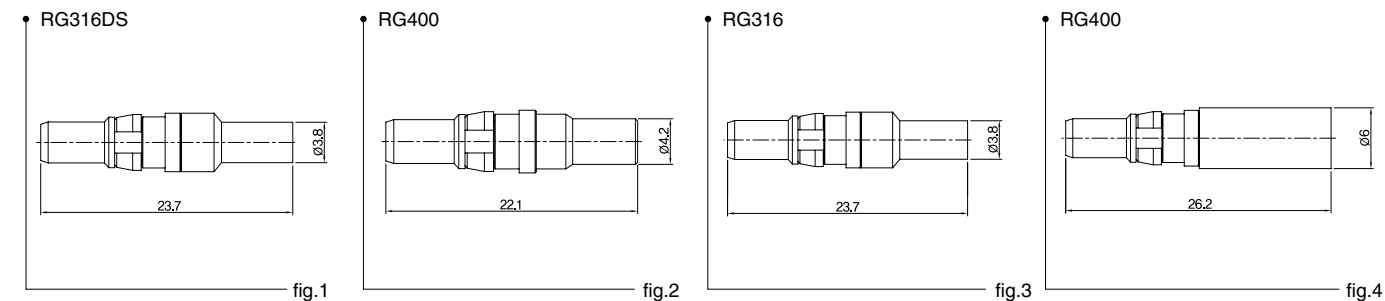


Fig	Type	Code		Cable Goup (example)	Plating			AS-In	Note
		Old Code	New Code		Pin	Body	Spring ring		
1	D-SUB50-PC-316DS	K385-044-000	CN4211X03-001-1/1	X03 RG316DS	Gold	Gold	Nickel		
2	D-SUB50-PC-400	K385-041-000	CN4211X08-001-1/1	X08 RG400	Gold	Gold	Nickel		Pin : \varnothing 1.0
3	D-SUB50-PC-316	K385-042-000	CN4211X02-001-1/1	X02 RG316DS	Gold	Gold	Nickel		Pin : \varnothing 0.75
4	D-SUB50-PC-400	K385-043-000	CN4211X08-002-1/1	X08 RG400	Gold	Gold	Nickel		Pin : \varnothing 0.75

● Right Angle Cable Plug(male)

For flexible cable
Cable entry Crimp
Centre Contact Soldered

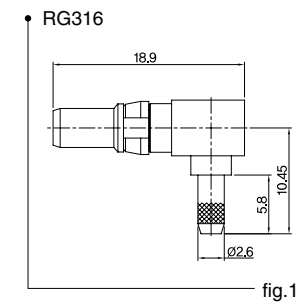


Fig	Type	Code		Cable Goup (example)	Plating			AS-In	Note
		Old Code	New Code		Pin	Body	Spring ring		
1	D-SUB50-LPC-316	K385-151-000	CN4231X02-001-1/1	X02 RG316	Gold	Gold	Nickel		Pin : \varnothing 1.0

● Straight Cable Jack(female)

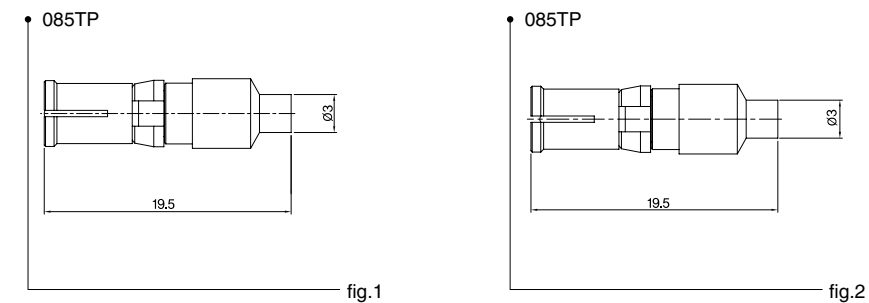


Fig	Type	Code		Cable Goup (example)	Plating			AS-In	Note
		Old Code	New Code		Pin	Body	Spring ring		
1	D-SUB50-JS-085	K385-265-000	CN4212S03-001-1/1	S03 085TP	Gold	Gold	Nickel		
2	D-SUB50-JS-085	K385-265-001	CN4212S03-002-1/1	S03 085TP	Gold	Gold	Nickel		Pin : \varnothing 0.75

For flexible cable
Cable entry Crimp
Centre Contact Soldered

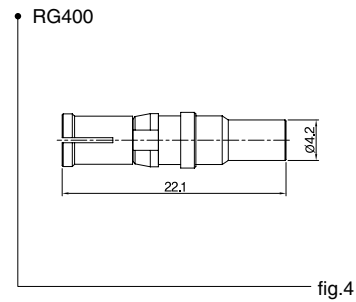
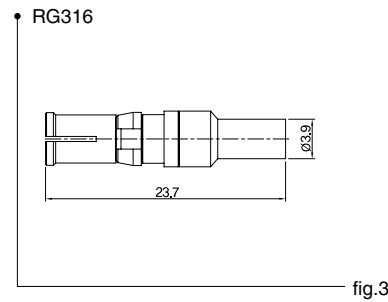
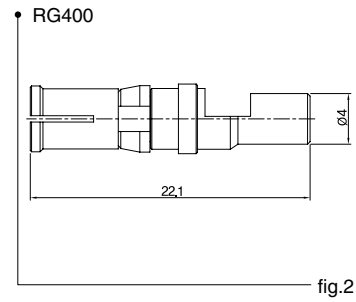
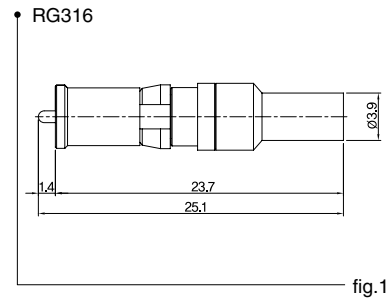


Fig	Type	Code		Cable Goup (example)	Plating			AS-In	Note
		Old Code	New Code		Pin	Body	Spring ring		
1	D-SUB50-JC-316	K385-261-000	CN4212X02-001-1/1	X02 RG316	Gold	Gold	Nickel		Pin : $\varnothing 1.0$
2	D-SUB50-JC-400	K385-262-000	CN4212X08-001-1/1	X08 RG400	Gold	Gold	Nickel		Pin : $\varnothing 1.0$
3	D-SUB50-JC-316	K385-263-000	CN4212X02-002-1/1	X02 RG316	Gold	Gold	Nickel		Pin : $\varnothing 0.75$
4	D-SUB50-JC-400	K385-264-000	CN4212X08-002-1/1	X08 RG400	Gold	Gold	Nickel		Pin : $\varnothing 0.75$

Right Angle Cable Jack(female)

For semi-rigid & flexible cable
Cable entry Crimp
Centre Contact Soldered

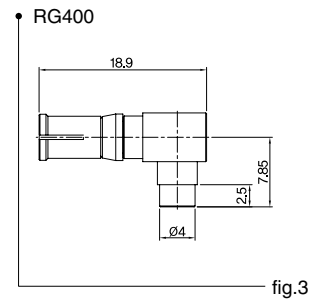
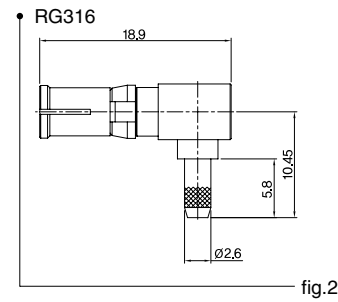
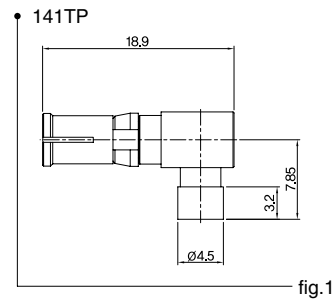


Fig	Type	Code		Cable Goup (example)	Plating			AS-In	Note
		Old Code	New Code		Pin	Body	Spring ring		
1	D-SUB50-LJS-141	K385-322-000	CN4232S04-001-1/1	S04 141TP	Gold	Gold	Nickel		Pin : $\varnothing 1.0$
2	D-SUB50-LJC-316	K385-320-000	CN4232X02-001-1/1	X02 RG316	Gold	Gold	Nickel		Pin : $\varnothing 1.0$
3	D-SUB50-LJC-400	K385-321-000	CN4232X08-001-1/1	X08 RG400	Gold	Gold	Nickel		Pin : $\varnothing 1.0$

PCB Connectors

Right Angle PCB Jack(female)

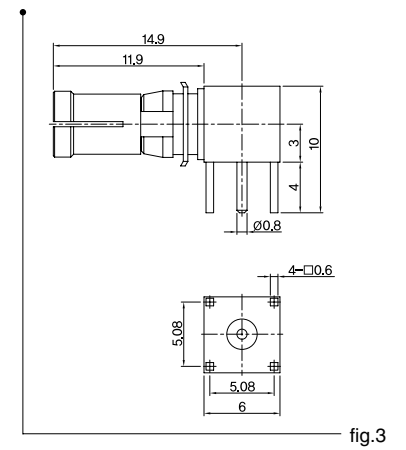
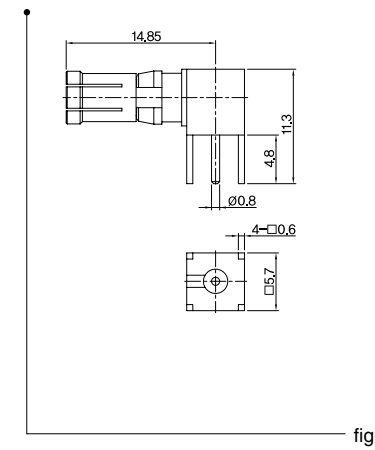
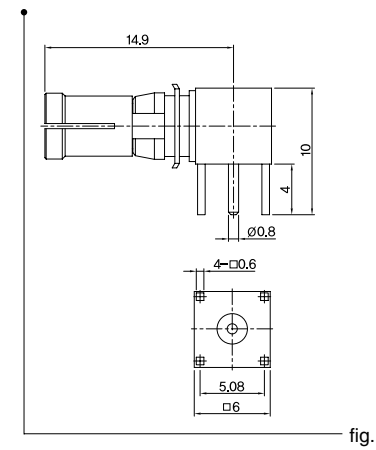


Fig	Type	Code		Plating			Mounting Hole	AS-In	Note
		Old Code	New Code	Pin	Body	Spring ring			
1	D-SUB50-LJ-4R-R	K385-541-000	CN4253000-001-1/1	Gold	Gold	Nickel	ML38		Pin : $\varnothing 1.0$
2	D-SUB50-LJ-4R-R	K385-533-001	CN4253000-002-1/1	Gold	Gold	Nickel	-		Pin : $\varnothing 0.8$
3	D-SUB50-LJ-4R-R	K385-541-001	CN4253000-003-1/1	Gold	Gold	Nickel	ML31		

Termination

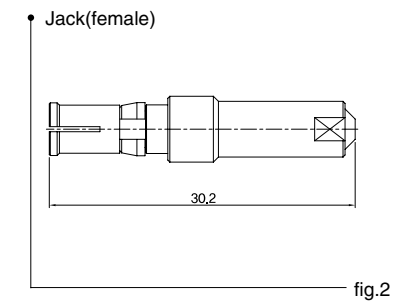
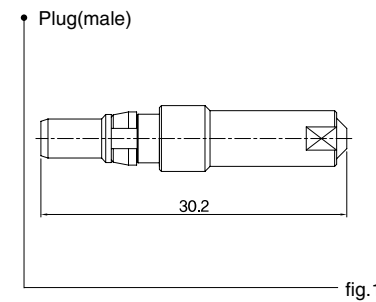
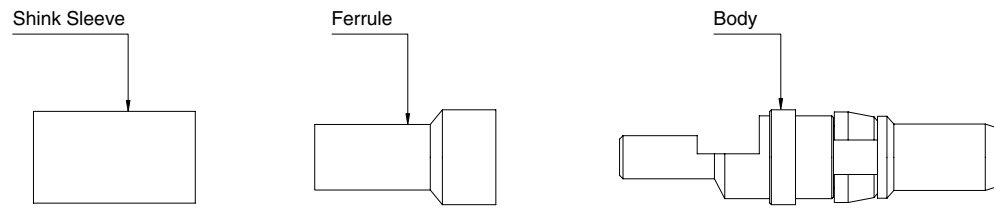


Fig	Type	Code		Plating			AS-In	Note
		Old Code	New Code	Pin	Body	Spring ring		
1	D-SUB50-P-TERM	K385-951-000	CN4291-001-1/1	Gold	Gold	Nickel		No Chain
2	D-SUB50-J-TERM	K385-950-000	CN4294-001-1/1	Gold	Gold	Nickel		No Chain

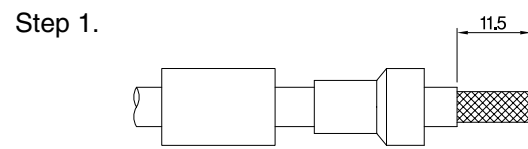
● STANDARD CRIMP



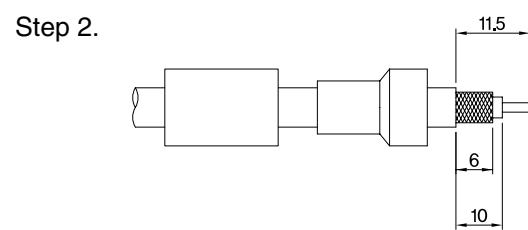
● CONNECTORS

- K385-040
- K385-042

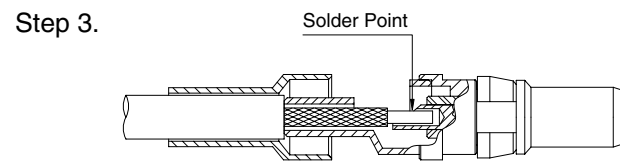
1. After the ferrule and the shrink sleeve into the cable, strip off the outer seath less.



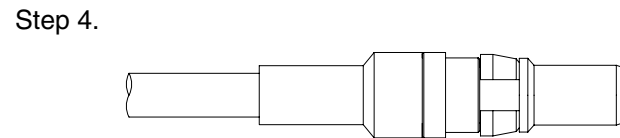
2. After the out conductor and the Inner conductor as shown in the diagram.



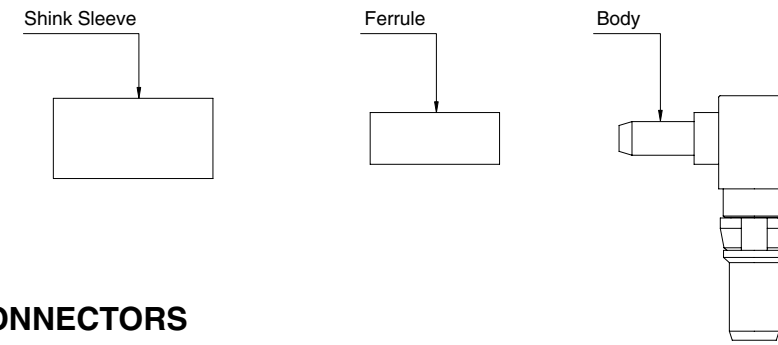
3. Solder the center contact.



4. After the ferrule and crimping with the crimp tool, contract the shrink sleeve



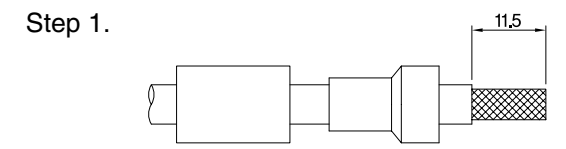
● RIGHT ANGLE CRIMP



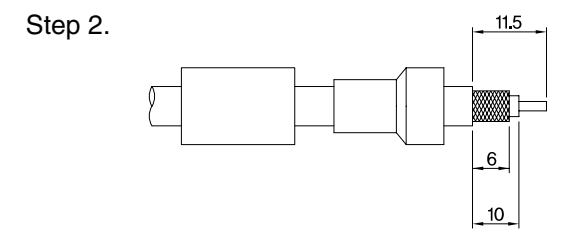
● CONNECTORS

- K385-151
- K385-152
- K385-320
- K385-321

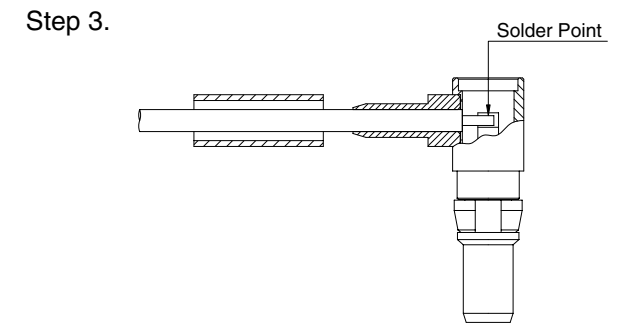
1. After inserting the ferrule and the shrink sleeve into the cable, strip off the outer seath.



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



3. Solder the center contact.



4. After insertry the ferrule and crimping with the crimp tool, contact the shrink sleeve.

