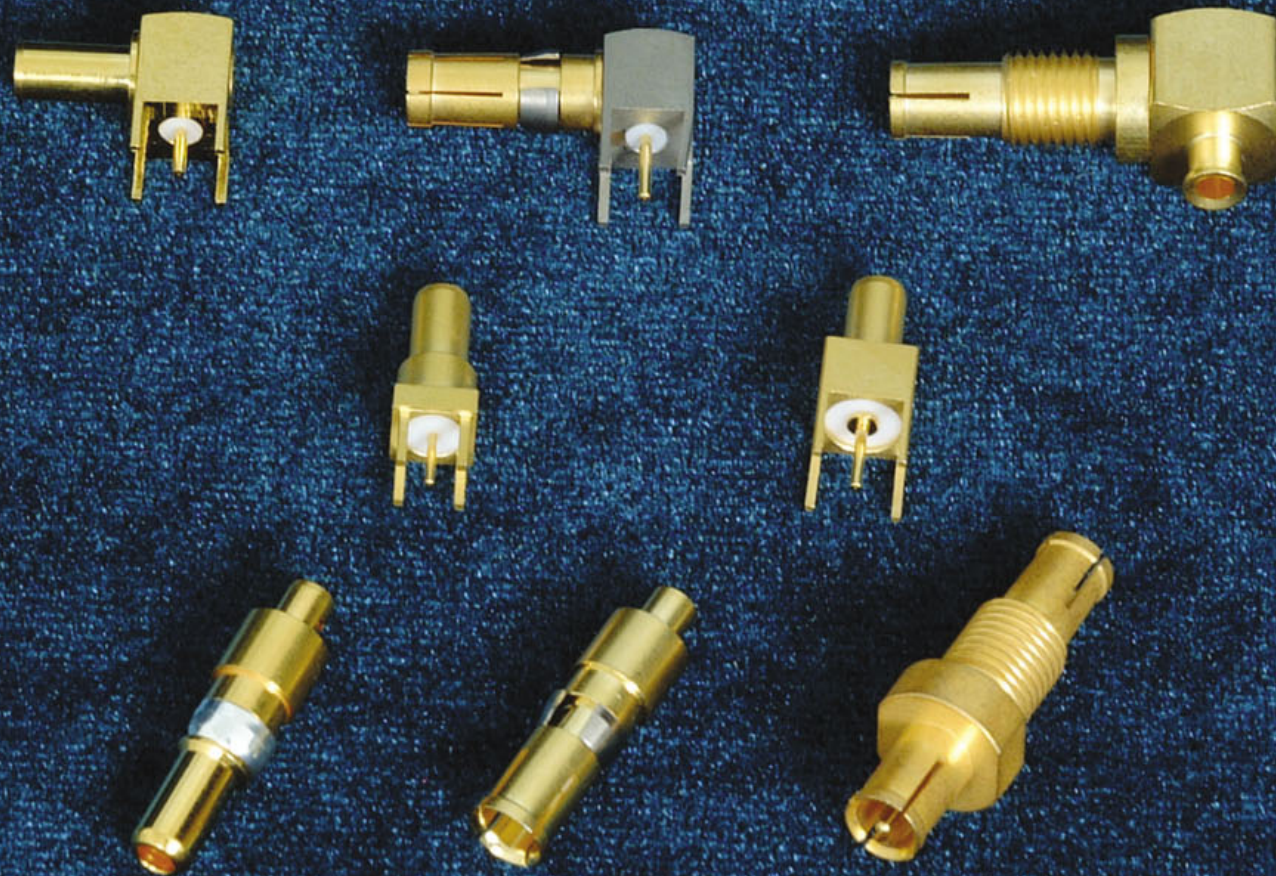


This range of coaxial contacts has been especially for use is the mixed layout arrangement of subminiature D connectors.

Whose bodies have cabities 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

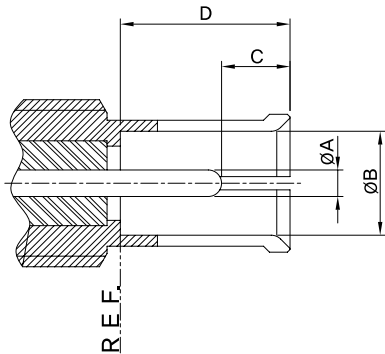
This range of coaxial contacts has been especially for use is the mixed layout arrangement of subminiature D connectors. Whose bodies have cabities for either coaxial, high power of high voltage inserts. These contacts have soldered inner and crimped conductors.

Contents

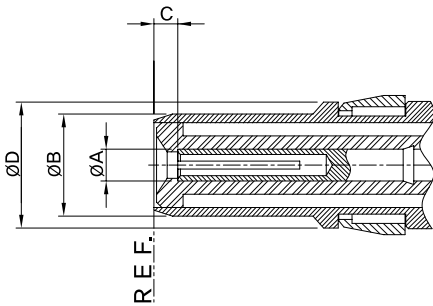
Microminiature Coaxial Connector	232
Technical Data	233
Material Data	233
Cable Connectors	234
PCB Connectors	237
Termination	237

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

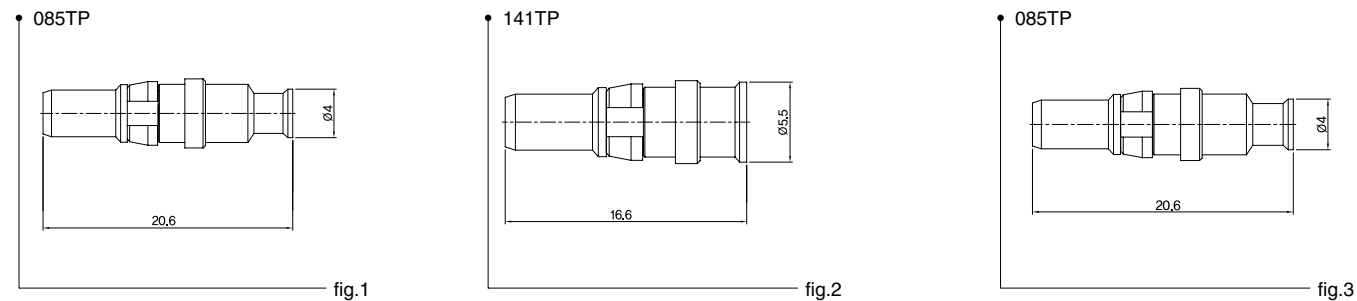


Fig	Type	Code		Cable Goup (example)	Plating			AS-In	Note
		Old Code	New Code		Pin	Body	Spring ring		
1	D-SUB50-PS-085	K385-268-000	CN4211S03-001-1/1	S03 085TP	Gold	Gold	Nickel		Pin : Ø 1.0
2	D-SUB50-PS-141	K385-280-000	CN4211S04-001-1/1	S04 141TP	Gold	Gold	Nickel		Pin : Ø 1.0
3	D-SUB50-PS-085	K385-268-001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

For flexible cable
Cable entry Crimp
Centre Contact Soldered

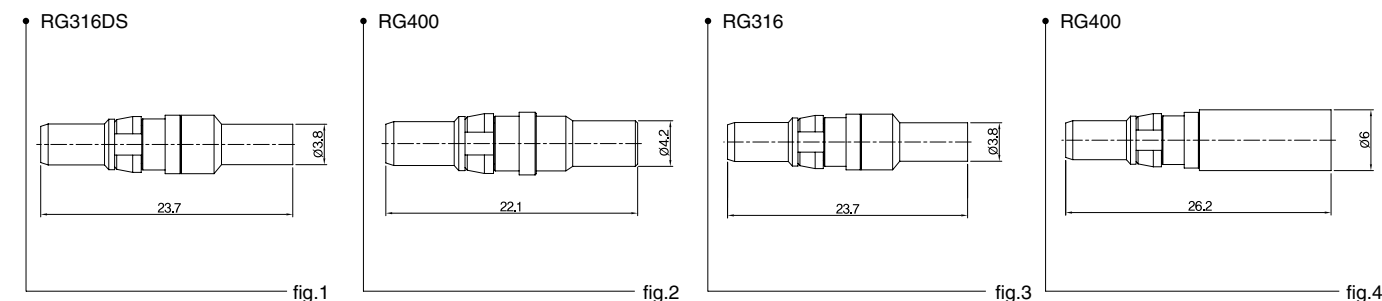


Fig	Type	Code		Cable Goup (example)	Plating			AS-In	Note
		Old Code	New Code		Pin	Body	Spring ring		
1	D-SUB50-PC-316DS	K385-044-000	CN4211X03-001-1/1	X03 RG316DS	Gold	Gold	Nickel		
2	D-SUB50-PC-400	K385-041-000	CN4211X08-001-1/1	X08 RG400	Gold	Gold	Nickel		Pin : Ø 1.0
3	D-SUB50-PC-316	K385-042-000	CN4211X02-001-1/1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

● Right Angle Cable Plug(male)

For flexible cable
Cable entry Crimp
Centre Contact Soldered

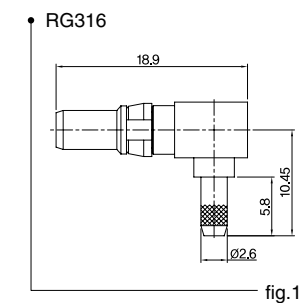


Fig	Type	Code		Cable Goup (example)	Plating			AS-In	Note
		Old Code	New Code		Pin	Body	Spring ring		
1	D-SUB50-LPC-316	K385-151-000	CN4231X02-001-1/1	X02 RG316	Gold	Gold	Nickel		Pin : Ø 1.0

● Straight Cable Jack(female)

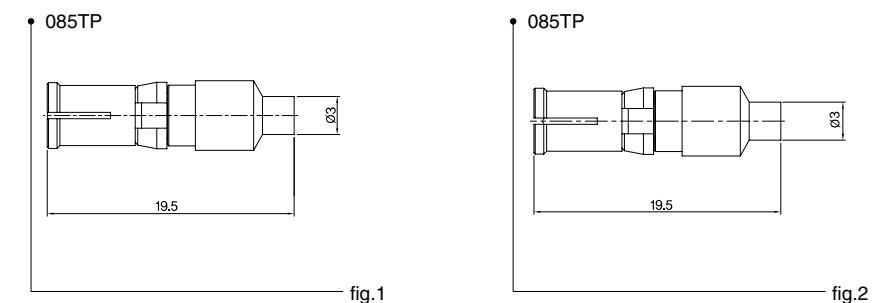


Fig	Type	Code		Cable Goup (example)	Plating			AS-In	Note
		Old Code	New Code		Pin	Body	Spring ring		
1	D-SUB50-JS-085	K385-265-000	CN4212S03-001-1/1	S03 085TP	Gold	Gold	Nickel		
2	D-SUB50-JS-085	K385-265-001	CN4212S03-002-1/1	S03 085TP	Gold	Gold	Nickel		Pin : Ø 0.75



For flexible cable
Cable entry Crimp
Centre Contact Soldered

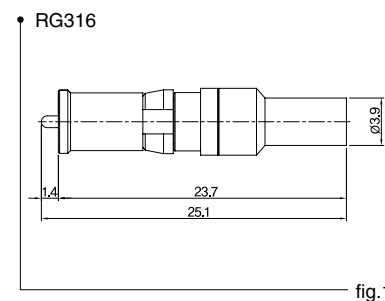


fig.1

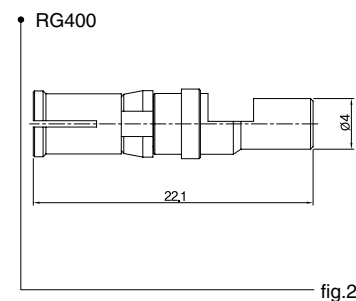


fig.2

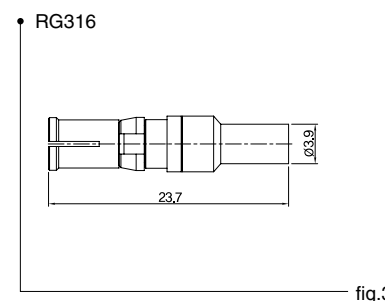


fig.3

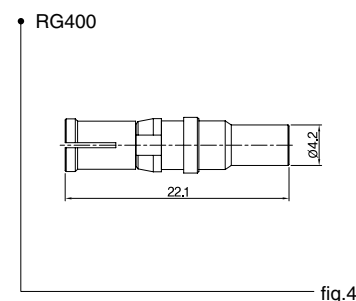


fig.4

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 : Ø1.0
2	D-SUB50-JC-400	K385-262-000	CN4212X08-001-1/1	X08 RG400	Gold	Gold	Nickel		Pin : Ø1.0
3	D-SUB50-JC-316	K385-263-000	CN4212X02-002-1/1	X02 RG316	Gold	Gold	Nickel		Pin : Ø0.75
4	D-SUB50-JC-400	K385-264-000	CN4212X08-002-1/1	X08 RG400	Gold	Gold	Nickel		Pin : Ø0.75

● Right Angle Cable Jack(female)

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

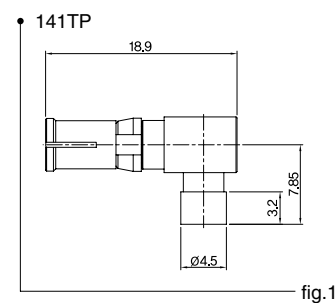


fig.1

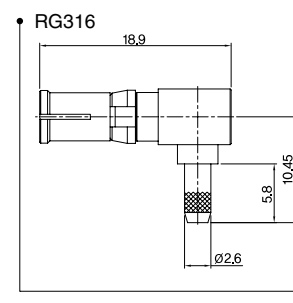


fig.2

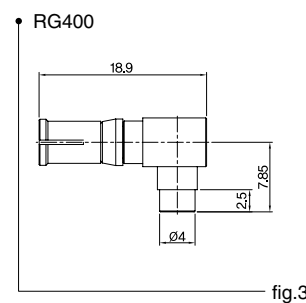


fig.3

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 : Ø1.0
2	D-SUB50-LJC-316	K385-320-000	CN4232X02-001-1/1	X02 RG316	Gold	Gold	Nickel		Pin : Ø1.0
3	D-SUB50-LJC-400	K385-321-000	CN4232X08-001-1/1	X08 RG400	Gold	Gold	Nickel		Pin : Ø1.0

PCB Connectors

● Right Angle PCB Jack(female)

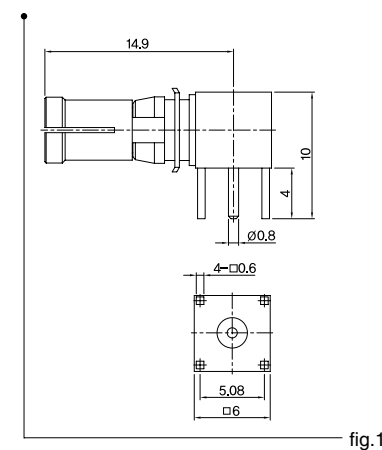


fig.1

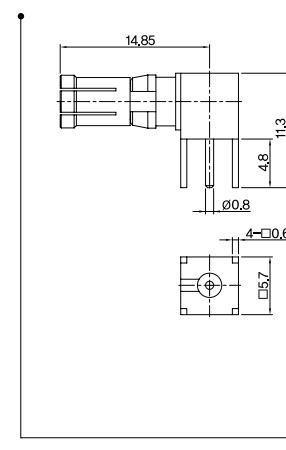


fig.2

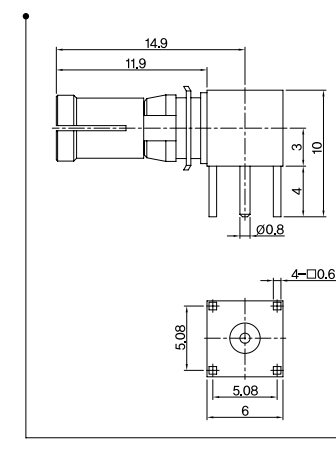


fig.3

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 : Ø1.0
2	D-SUB50-LJ-4R-R	K385-533-001	CN4253000-002-1/1	Gold	Gold	Nickel	-		Pin : Ø0.8
3	D-SUB50-LJ-4R-R	K385-541-001	CN4253000-003-1/1	Gold	Gold	Nickel	ML31		

Termination

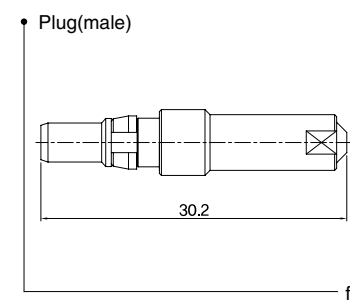


fig.1

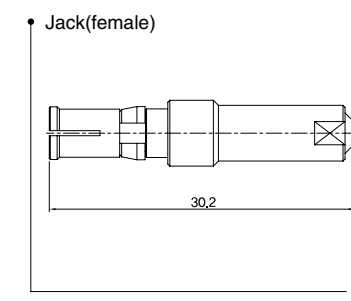
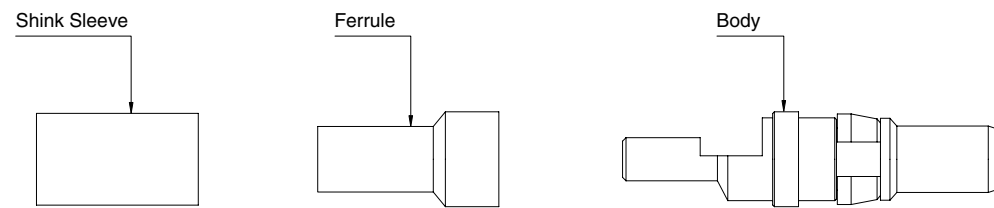


fig.2

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



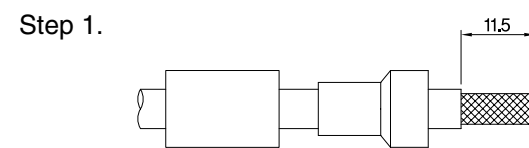
● STANDARD CRIMP



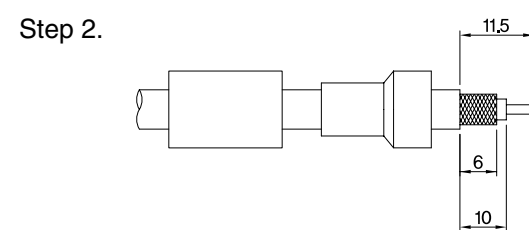
● CONNECTORS

- K385-040
- K385-042

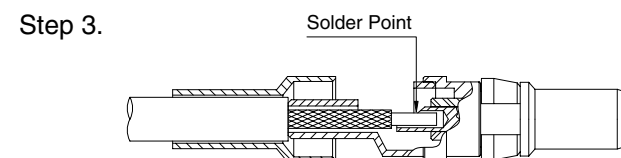
1. After the ferrule and the shrink sleeve into the cable, strip off the outer seath less.



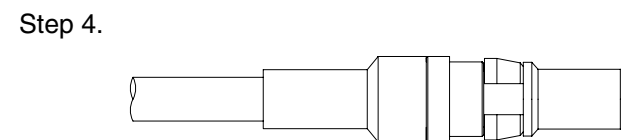
2. After the out conductor and the Inner conductor as shown in the diagram.



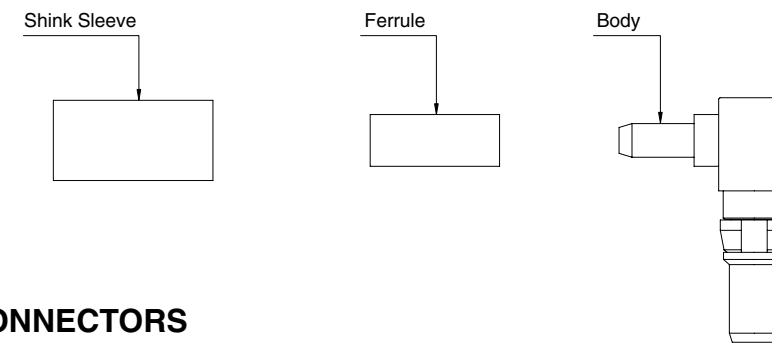
3. Solder the center contact.



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



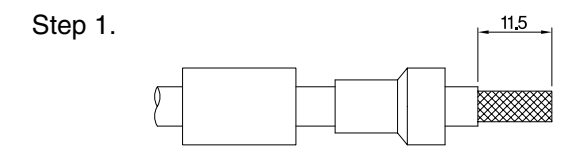
● RIGHT ANGLE CRIMP



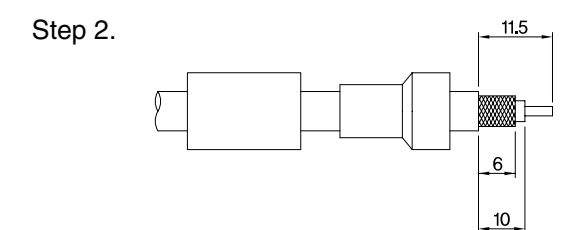
● CONNECTORS

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

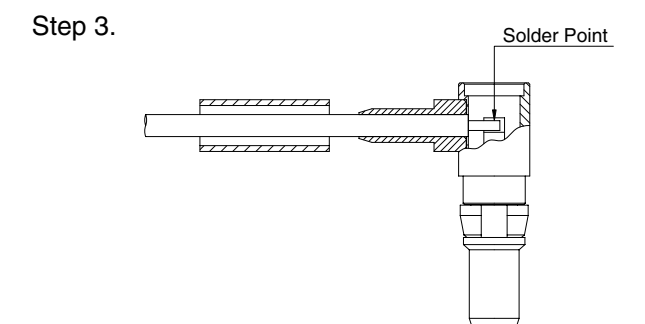
1. After inserting the ferrule and the shrink sleeve into the cable, strip off the outer seath.



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.

