

## Description

N connectors are medium size, moderate power handling, 50Ω impedance connectors with a threaded coupling mechanism which provides a reliable connection. The standard series provides excellent electrical and mechanical performance for critical applications up to 18 GHz.

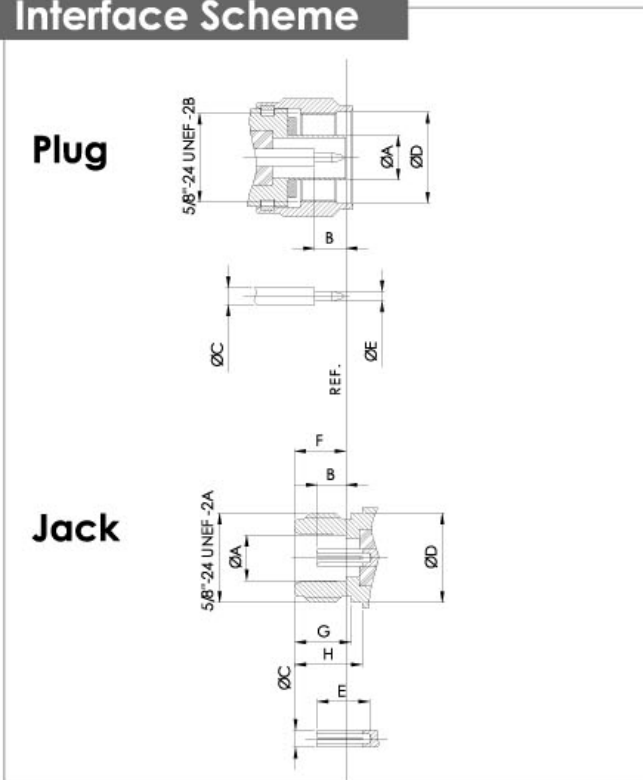
N connectors in Zeeteq are available as plugs and jacks for the RG cables and semi-rigid cables. Panel and bulkhead mount receptacles are available, as well as in-series and between-series adapters.

Zeeteq N connectors comply with IEC 60169-16.

## Configuration

plug straight cable connector.....	80
plug right angle cable connector.....	83
jack straight cable connector.....	86
jack straight bulkhead cable connector....	89
jack straight flange cable connecto.....	92
flange mount receptacle.....	94
bulkhead receptacle.....	99

## Interface Scheme



## Interface Dimensions

	Plug		Jack		
	min.	max.	min.	max.	
A	-	8.03	8.03	8.13	A
B	5.33	5.84	4.75	5.26	B
C	3.04 nom.		3.04 nom.		C
D	16.00	-	-	15.93	D
E	1.60	1.68	5.33	-	E
F	-	-	9.05	9.19	F
G	-	-	6.76	-	G
H	-	-	10.72	-	H

# SPECIFICATION

## ELECTRICAL DATA

Impedance	50Ω
Frequency range	
-semi-rigid cable	DC-18GHz
-flexible cable	DC-11GHz
VSWR(typical value)	
-straight, semi-rigid	1.02+0.020f(GHz)
-angle, semi-rigid	1.03+0.030f(GHz)
-straight, flexible	1.03+0.025f(GHz)
-angle, flexible	1.05+0.040f(GHz)
RF leakage	
-semi-rigid cable	≥ 120dB-f(GHz)
-flexible cable	≥ 60dB-f(GHz)
Dielectric withstanding voltage( sea level, in Vrms,50Hz)	≥ 2500
Working voltage(at sea level, in Vrms,50Hz)	≤ 1000
Insulation resistance	≥ 5000MΩ
Contact resistance	
-center contact	≤ 1.0mΩ
-outer contact	≤ 0.25mΩ

## MECHANICAL DATA

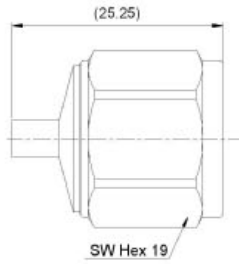
Coupling nut torque	
-recommended	0.7-1.1Nm
-proof	1.7Nm
Coupling nut retention force	≥ 450N
contact retention force	
-axial	≥ 28N
Durability(matings)	≥ 500

## ENVIRONMENTAL DATA

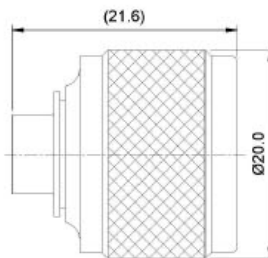
Temperature range	-65°C- +165°C
Climatic category	IEC 55/155/21
Thermal shock	MIL-STD-202,Method 107, Condition B
Moisture resistance	MIL-STD-202,Method 106
Corrosion	MIL-STD-202,Method 101, Condition B
Vibration	MIL-STD-202,Method 204, Condition B
Shock	MIL-STD-202,Method 213, Condition I

<b>MATERIAL DATA</b>		
<b>PART</b>	<b>MATERIAL</b>	<b>PLATING</b>
Body, pin contact	Brass	Gold, trimetal, Nickel
Socket contact	Beryllium copper	Gold
Ferrule	Copper Brass	Gold, trimetal, Nickel
Spring washer	Bronze	Gold, trimetal, Nickel
Lock washer	Bronze	Gold, trimetal, Nickel
Insulator	PTFE	
Gasket	Silicone rubber	

## PLUG STRAIGHT CABLE CONNECTORS

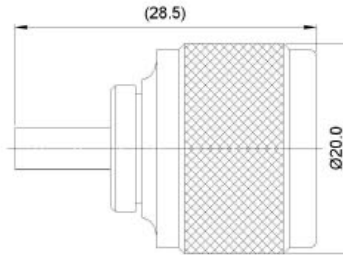


Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5035.N.PSC.02.133	02	UT86 RG405	solder	solder	trimetal
5036.N.PSC.03.133	03	UT141 RG402	solder	solder	trimetal

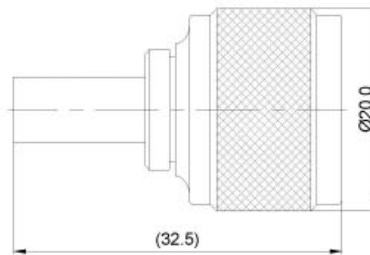


Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5037.N.PSC.04.133	04	UT250 RG401	solder	solder	trimetal

## PLUG STRAIGHT CABLE CONNECTORS

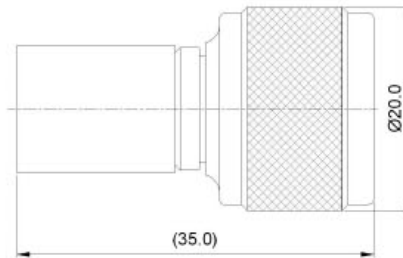


Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5038.N.PSC.06.133	06	RG174 RG188 RG316	solder	crimp	trimetal
5039.N.PSC.07.133	07	RG316D	solder	crimp	trimetal

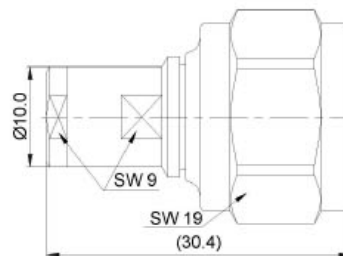


Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5040.N.PSC.08.133	08	RG58 RG303	solder	crimp	trimetal
5041.N.PSC.09.133	09	RG142 RG223 RG400	solder	crimp	trimetal

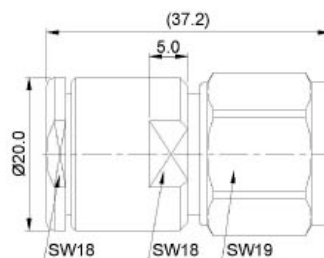
## PLUG STRAIGHT CABLE CONNECTORS



Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5043.N.PSC.11.133	11	RG165 RG213	solder	crimp	trimetal
5044.N.PSC.12.133	12	RG214 RG225 RG393	solder	crimp	trimetal

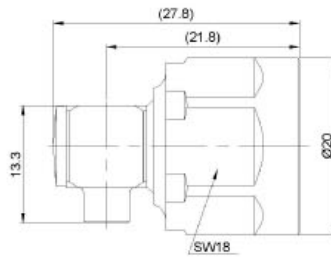


Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5184.N.PSC.08.133	08	RG58	solder	clamp	trimetal
5185.N.PSC.09.133	09	RG223	solder	clamp	trimetal

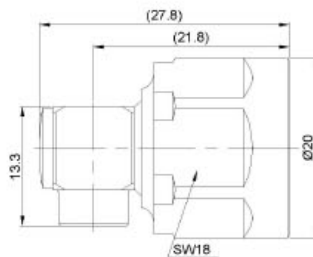


Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5186.N.PSC.11.133	11	RG213	solder	clamp	trimetal
5187.N.PSC.12.133	12	RG214	solder	clamp	trimetal

## PLUG RIGHT ANGLE CABLE CONNECTORS

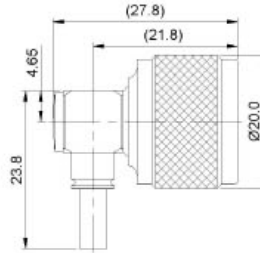


Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5046.N.PRC.03.133	03	UT141 RG402	solder	solder	trimetal

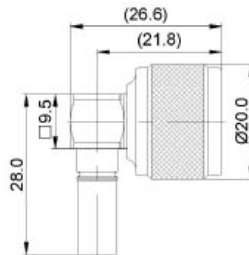


Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5047.N.PRC.04.133	04	UT250 RG401	solder	solder	trimetal

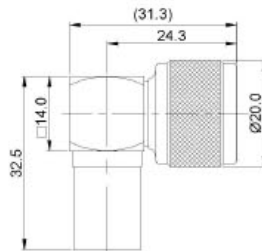
## PLUG RIGHT ANGLE CABLE CONNECTORS



Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5048.N.PRC.06.133	06	RG174 RG188 RG316	solder	crimp	trimetal
5049.N.PRC.07.133	07	RG316D	solder	crimp	trimetal



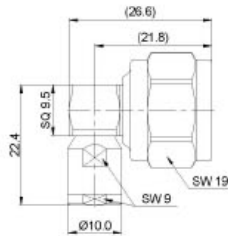
Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5050.N.PRC.08.133	08	RG58 RG303	solder	crimp	trimetal
5051.N.PRC.09.133	09	RG142 RG223 RG400	solder	crimp	trimetal



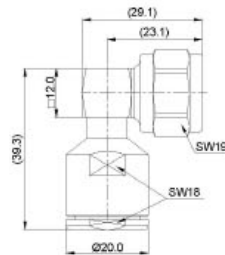
Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5053.N.PRC.11.133	11	RG165 RG213	solder	crimp	trimetal
5054.N.PRC.12.133	12	RG214 RG225 RG393	solder	crimp	trimetal



## PLUG RIGHT ANGLE CABLE CONNECTORS

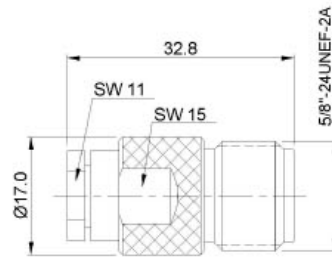


Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5188.N.PRC.08.133	08	RG58	solder	clamp	trimetal
5189.N.PRC.09.133	09	RG223	solder	clamp	trimetal

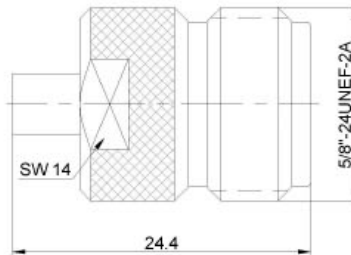


Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5190.N.PRC.11.133	11	RG213	solder	clamp	trimetal
5191.N.PRC.12.133	12	RG214	solder	clamp	trimetal

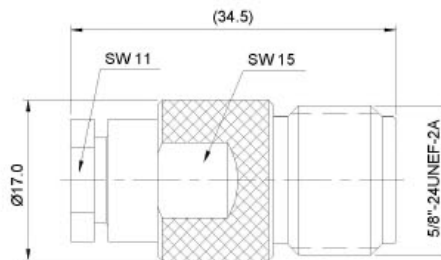
## JACK STRAIGHT CABLE CONNECTORS



Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5205.N.JSC.02.133	02	UT86 RG405	solder	solder	trimetal
5206.N.JSC.03.133	03	UT141 RG402	solder	solder	trimetal

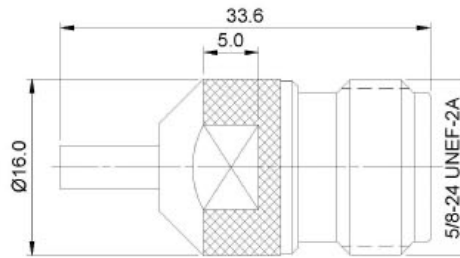


Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5207.N.JSC.03.133	03	UT141	Plug-in	solder	trimetal

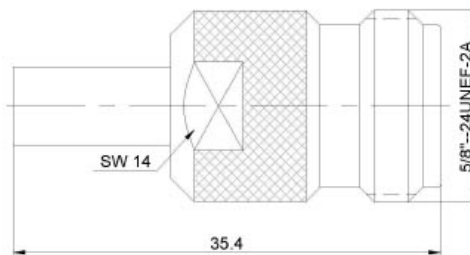


Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5208.N.JSC.04.133	04	UT250	Plug-in	solder	trimetal

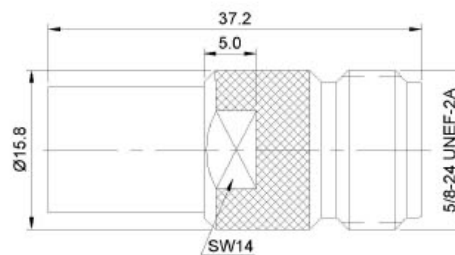
## JACK STRAIGHT CABLE CONNECTORS



Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5209.N.JSC.06.133	06	RG174 RG188 RG316	solder	crimp	trimetal
5210.N.JSC.07.133	07	RG316D	solder	crimp	trimetal

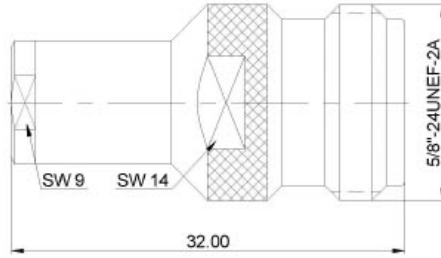


Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5211.N.JSC.08.133	08	RG58 RG303	solder	crimp	trimetal
5212.N.JSC.09.133	09	RG142 RG223 RG400	solder	crimp	trimetal

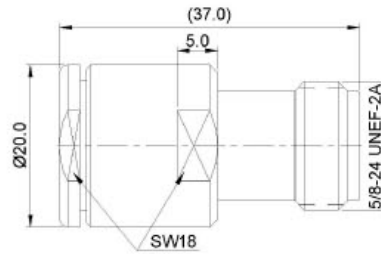


Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5065.N.JSC.11.133	11	RG213 RG165	solder	crimp	trimetal
5066.N.JSC.12.133	12	RG214 RG225 RG393	solder	crimp	trimetal

## JACK STRAIGHT CABLE CONNECTORS

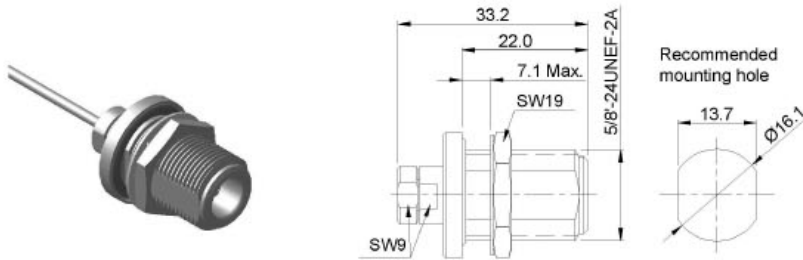


Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5224.N.JSC.08.133	08	RG58 RG303	solder	clamp	trimetal
5225.N.JSC.09.133	09	RG142 RG223 RG400	solder	clamp	trimetal

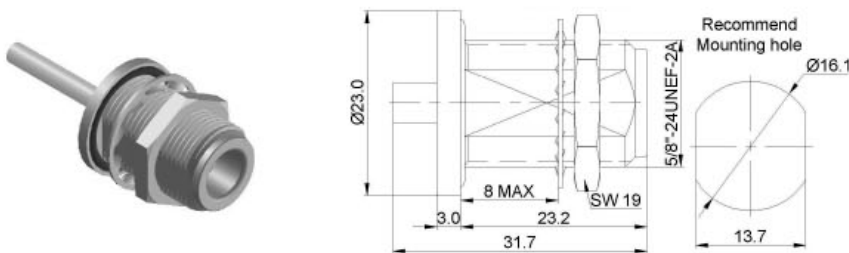


Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5194.N.JSC.11.133	11	RG213 RG165	solder	clamp	trimetal
5195.N.JSC.12.133	12	RG214 RG225 RG393	solder	clamp	trimetal

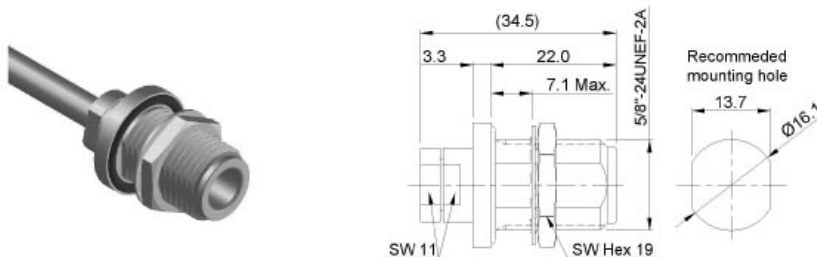
## JACK STRAIGHT BULKHEAD CABLE CONNECTORS



Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5055.N.JSC.02.133	02	UT86 RG405	solder	clamp	trimetal
5056.N.JSC.03.133	03	UT141 RG402	solder	clamp	trimetal

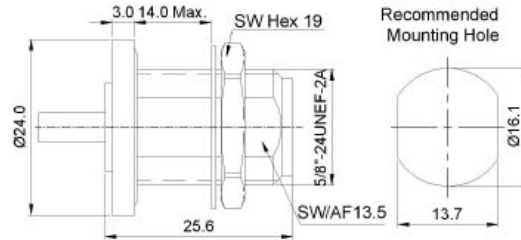


Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5223.N.JSC.03.133	03	UT141 RG402	Plug-in	solder	trimetal

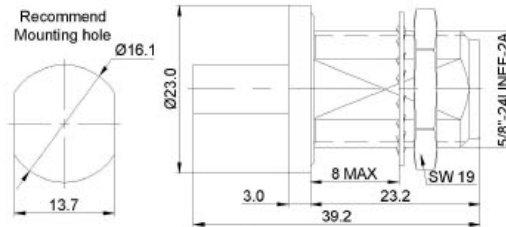


Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5057.N.JSC.04.133	04	UT250 RG401	Plug-in	solder	trimetal

## JACK STRAIGHT BULKHEAD CABLE CONNECTORS

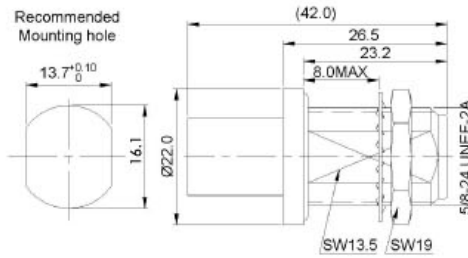


Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5058.N.JSC.06.133	06	RG174 RG188 RG316	solder	crimp	trimetal
5059.N.JSC.07.133	07	RG316D	solder	crimp	trimetal

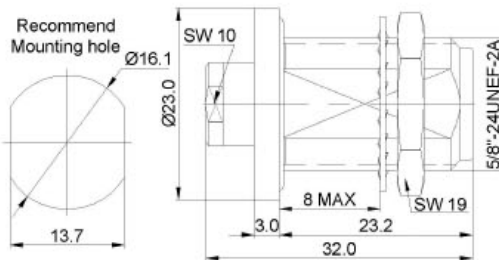


Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5060.N.JSC.08.133	08	RG58 RG303	solder	crimp	trimetal
5061.N.JSC.09.133	09	RG142 RG223 RG400	solder	crimp	trimetal

## JACK STRAIGHT BULKHEAD CABLE CONNECTORS

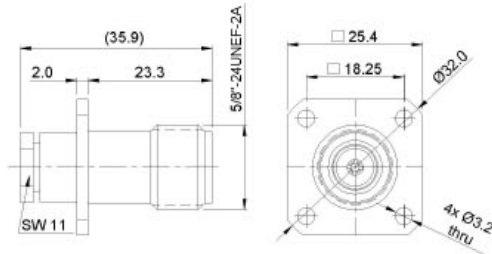


Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5063.N.JSC.11.133	11	RG213 RG165	solder	crimp	trimetal
5064.N.JSC.12.133	12	RG214 RG225 RG393	solder	crimp	trimetal

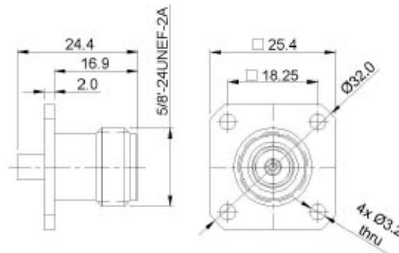


Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5192.N.JSC.08.133	08	RG58	solder	clamp	trimetal
5193.N.JSC.09.133	09	RG223	solder	clamp	trimetal

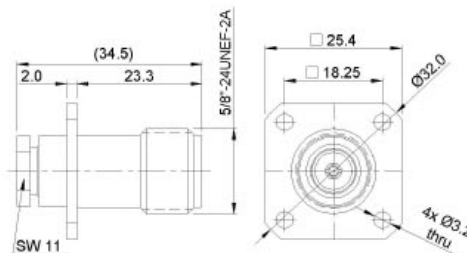
## JACK STRAIGHT FLANGE CABLE CONNECTORS



Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5214.N.JSC.02.133	02	UT86 RG405	solder	solder	trimetal
5215.N.JSC.03.133	03	UT141 RG402	solder	solder	trimetal



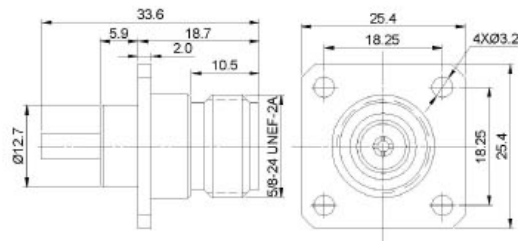
Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5067.N.JSC.03.130	03	UT141 RG402	solder	solder	trimetal



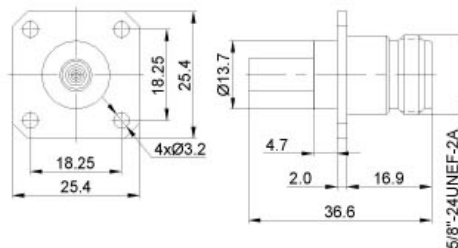
Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5216.N.JSC.04.133	04	UT250 RG401	Plug-in	solder	trimetal



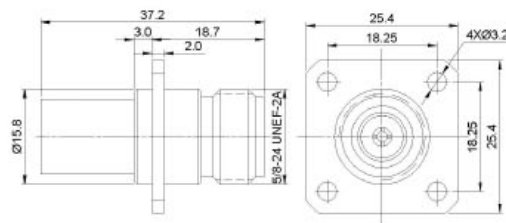
## JACK STRAIGHT FLANGE CABLE CONNECTORS



Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5217.N.JSC.06.133	06	RG174 RG188 RG316	solder	crimp	trimetal
5218.N.JSC.07.133	07	RG316D	solder	crimp	trimetal

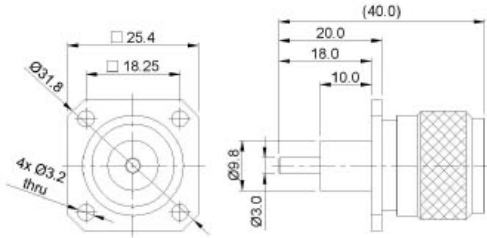


Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5219.N.JSC.08.133	08	RG58 RG303	solder	crimp	trimetal
5068.N.JSC.09.133	09	RG142 RG223 RG400	solder	crimp	trimetal

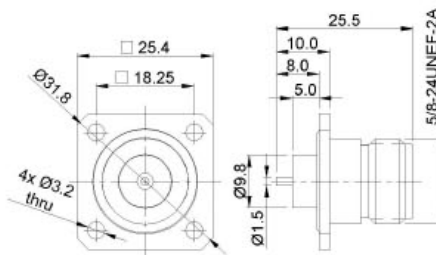


Part number	Cable code	Cable	Center contact	Outer contact	Body plating
5221.N.JSC.11.133	11	RG213 RG165	solder	crimp	trimetal
5222.N.JSC.12.133	12	RG214 RG225 RG393	solder	crimp	trimetal

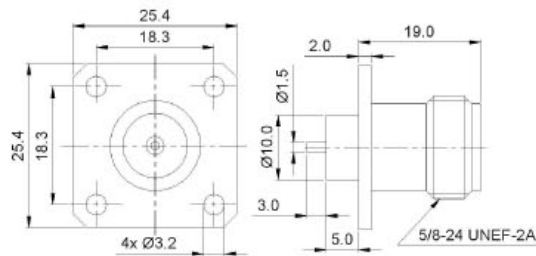
## FLANGE MOUNT RECEPTACLES



Part number	Center contact	Body plating	note
6007.N.PSF.00.133	coaxial rod	trimetal	extended dielectric, panel sealing

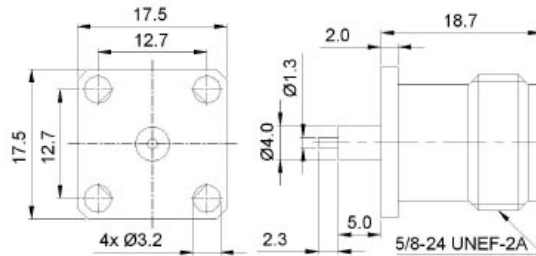


Part number	Center contact	Body plating	note
6011.N.JSF.00.230	microstrip launcher	trimetal	extended dielectric, panel sealing

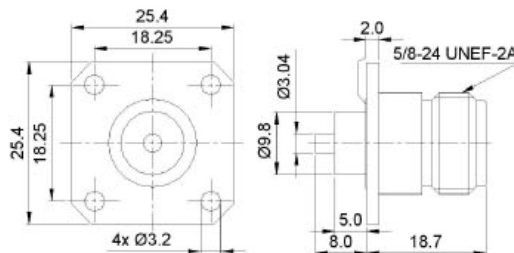


Part number	Center contact	Body plating	note
6023.N.JSF.00.230	microstrip launcher	trimetal	extended dielectric

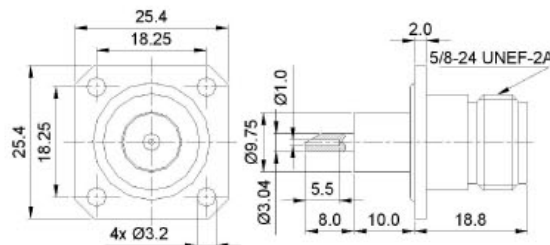
## FLANGE MOUNT RECEPTACLES



Part number	Center contact	Body plating	note
6054.N.JSF.00.230	microstrip launcher	trimetal	extended dielectric, small flange

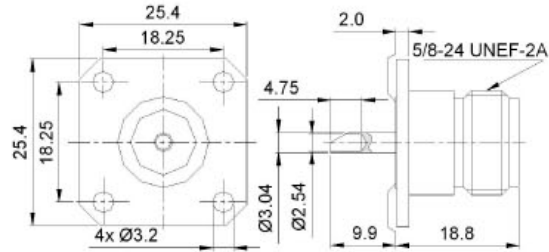


Part number	Center contact	Body plating	note
6102.N.JSF.00.130	coaxial rod	trimetal	extended dielectric

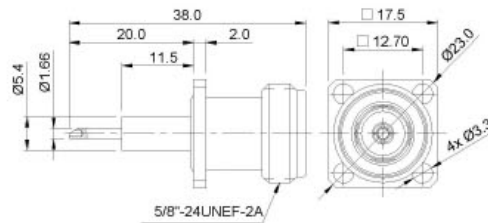


Part number	Center contact	Body plating	note
6008.N.JSF.00.130	solder cup	trimetal	extended dielectric, panel sealing

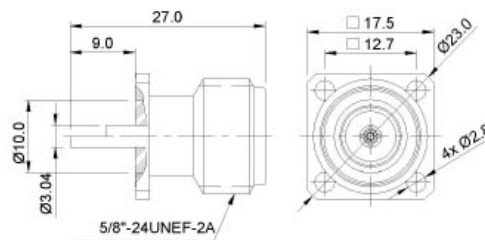
## FLANGE MOUNT RECEPTACLES



Part number	Center contact	Body plating	note
6026.N.JSF.00.130	solder cup	trimetal	flush dielectric

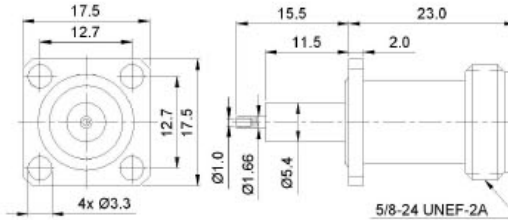


Part number	Center contact	Body plating	note
6029.N.JSF.00.150	solder cup	trimetal	extended dielectric, panel sealing, small flange

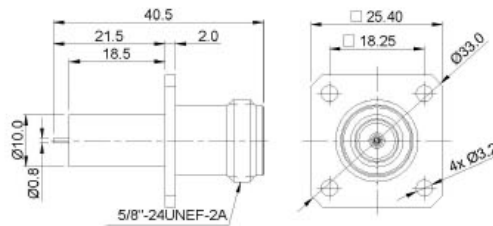


Part number	Center contact	Body plating	note
6040.N.JSF.00.130	solder tab	trimetal	flush dielectric, small flange

## FLANGE MOUNT RECEPTACLES

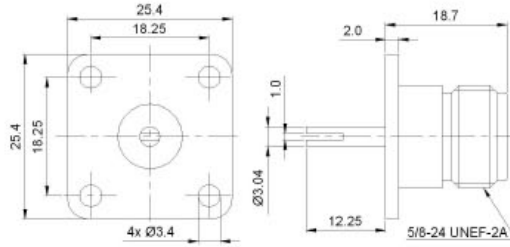


Part number	Center contact	Body plating	note
6153.N.JSF.00.130	solder hole	trimetal	extended dielectric, panel sealing, small flange

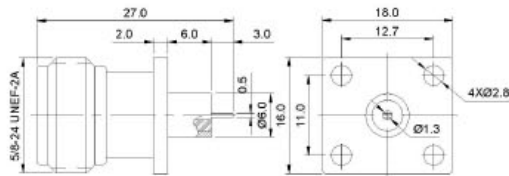


Part number	Center contact	Body plating	note
6024.N.JSF.00.230	microstrip launcher	trimetal	extended dielectric

## FLANGE MOUNT RECEPTACLES

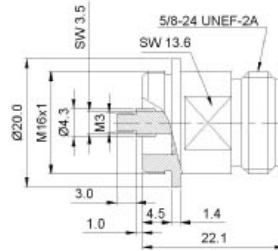


Part number	Center contact	Body plating	note
6144.N.JSF.00.230	slotted contact	trimetal	flush dielectric

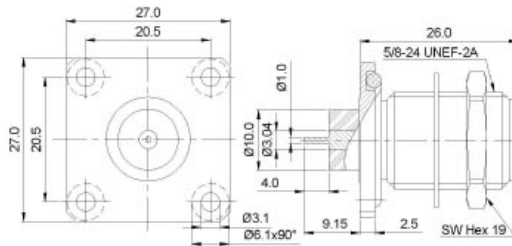


Part number	Center contact	Body plating	note
6136.N.JSF.00.230	stripline launcher	trimetal	extended body, flush dielectric, rectangle flange

## BULKHEAD RECEPTACLE



Part number	Center contact	Body plating	note
6133.N.JSB.00.230	threaded contact	trimetal	thread mount body



Part number	Center contact	Body plating	note
6106.N.JSF.00.234	microstrip launcher	trimetal	extended dielectric, front panel sealing