

SPECIFICATION OF N MALE CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.1

N Male For 1/2"SF Cable RF Connector is in accordance with IEC60169-16: 1982

Male interface screw thread: 5/8-24UNEF-2B

1>.Electrical Characteristics:

Model		N/M-1/2"SF-CP
Impedance(Ω)		50 Ω
Frequency range		0~3 GHz
Insertion loss (900MHz)		≤ 0.10 dB
Intermodulation (PIM 3)		≤ -160 dBc@2x20W (≤ -165 dBc@2x20W Typical)
Insulation resistance		≥ 5000 m Ω
Contact resistance	Inner conductor	≤ 1.00 m Ω
	Outer conductor	≤ 0.25 m Ω
Withstanding voltage AC(V/min)		2500V
VSWR		≤ 1.10 (0~2700MHz)
Durability		500 Times

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

2>.Working environment:

Working temperature : -40~+85°C

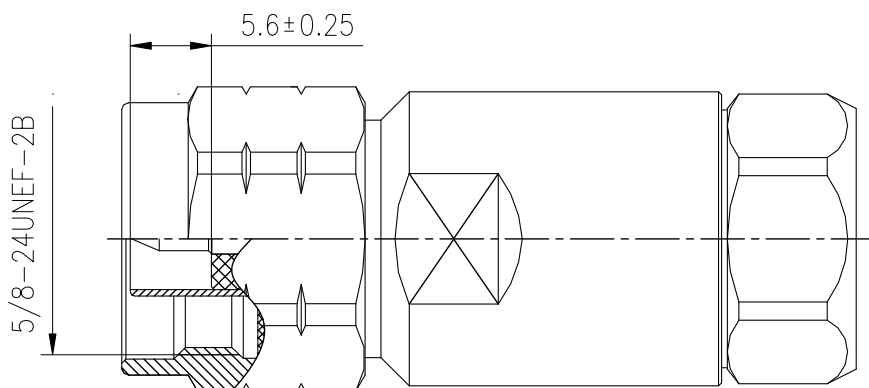
Relative moisture : 90%~95% (Temperature: 40 $\pm$ 2°C)

Water-proof : IP 67

3>.Material and plating:

Name of part	Material	Plating	Thickness of plating
Outer Contact	Brass (HPb59-1)	Alloy plated	$\geq 3\mu$
Center Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Plug Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Connecting Nut	Brass (HPb59-1)	Nickel plated	2~3 μ
Gasket	Rubber		
Insulator	PTEF (SFX-1-1)		

4>.Product dimensions:



SPECIFICATION OF N FEMALE CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.1

N Female For 1/2"SF Cable RF Connector is in accordance with IEC60169-16: 1982

Female interface screw thread: 5/8-24UNEF-2A

1>.Electrical Characteristics:

Model		N/F-1/2"SF-CP
Impedance(Ω)		50 Ω
Frequency range		0~3 GHz
Insertion loss (900MHz)		≤ 0.10 dB
Intermodulation (PIM 3)		≤ -160 dBc@2x20W (≤ -165 dBc@2x20W Typical)
Insulation resistance		≥ 5000 m Ω
Contact resistance	Inner conductor	≤ 1.00 m Ω
	Outer conductor	≤ 0.25 m Ω
Withstanding voltage AC(V/min)		2500V
VSWR		≤ 1.10 (0~2700MHz)
Durability		500 Times

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

2>.Working environment:

Working temperature : -40~+85°C

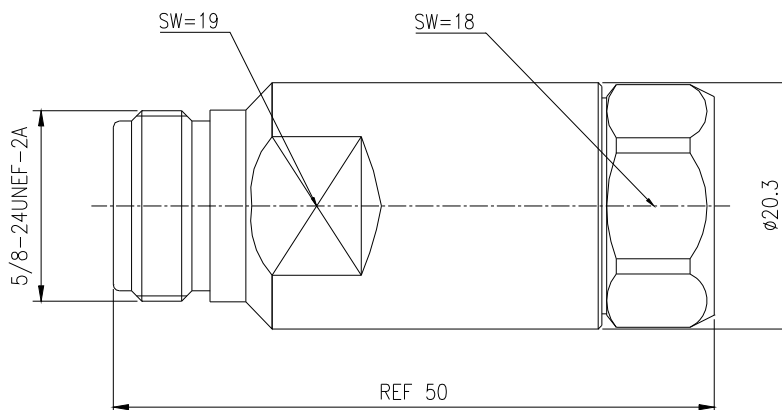
Relative moisture : 90%~95% (Temperature: 40 $\pm$ 2°C)

Water-proof : IP 67

3>.Material and plating:

Name of part	Material	Plating	Thickness of plating
Outer Contact	Brass (HPb59-1)	Alloy plated	$\geq 3\mu$
Center Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Jack Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Connecting Nut	Brass (HPb59-1)	Nickel plated	2~3 μ
Gasket	Rubber		
Insulator	PTEF (SFX-1-1)		

4>.Product dimensions:



SPECIFICATION OF N MALE RIGHT ANGLE CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.1

N Male Right Angle For 1/2"SF Cable RF Connector is in accordance with IEC60169-16: 1982

Female interface screw thread: 5/8-24UNEF-2A

1>.Electrical Characteristics:

Model		N/M-1/2"SF-CP(R)
Impedance(Ω)		50 Ω
Frequency range		0~3 GHz
Insertion loss (900MHz)		≤ 0.10 dB
Intermodulation (PIM 3)		≤ -150 dBc@2x20W (≤ -155 dBc@2x20W Typical)
Insulation resistance		≥ 5000 m Ω
Contact resistance	Inner conductor	≤ 1.00 m Ω
	Outer conductor	≤ 0.25 m Ω
Withstanding voltage AC(V/min)		2500V
VSWR		≤ 1.10 (0~2700MHz)
Durability		500 Times

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

2>.Working environment:

Working temperature : -40~+85°C

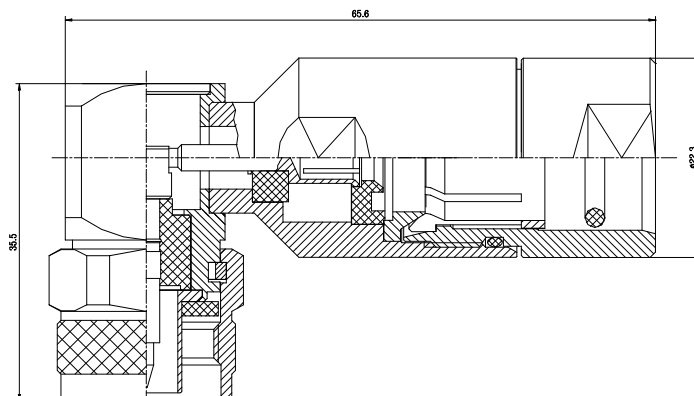
Relative moisture : 90%~95% (Temperature: 40 $\pm$ 2°C)

Water-proof : IP 67

3>.Material and plating:

Name of part	Material	Plating	Thickness of plating
Outer Contact	Brass (HPb59-1)	Alloy plated	$\geq 3\mu$
Center Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Jack Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Connecting Nut	Brass (HPb59-1)	Nickel plated	2~3 μ
Gasket	Rubber		
Insulator	PTEF (SFX-1-1)		

4>.Product dimensions:



SPECIFICATION OF N MALE CONNECTOR FOR 1/2" FLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.1

N Male For 1/2 Feeder Cable RF Connector is in accordance with IEC60169-16: 1982

Male interface screw thread: 5/8-24UNEF-2B

1>.Electrical Characteristics:

Model		N/M-1/2"-CP
Impedance(Ω)		50 Ω
Frequency range		0~3 GHz
Insertion loss (900MHz)		$\leq 0.1\text{dB}$
Intermodulation (PIM 3)		$\leq -160\text{dBc}@2\text{x}20\text{W}$ ($\leq -165\text{dBc}@2\text{x}20\text{W}$ Typical)
Insulation resistance		$\geq 5000\text{m}\Omega$
Contact resistance	Inner conductor	$\leq 1.00\text{ m}\Omega$
	Outer conductor	$\leq 0.25\text{ m}\Omega$
Withstanding voltage AC(V/min)		2500V
VSWR		≤ 1.10 (0~2700MHz)
Durability		500 Times

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

2>.Working environment:

Working temperature : -40~+85°C

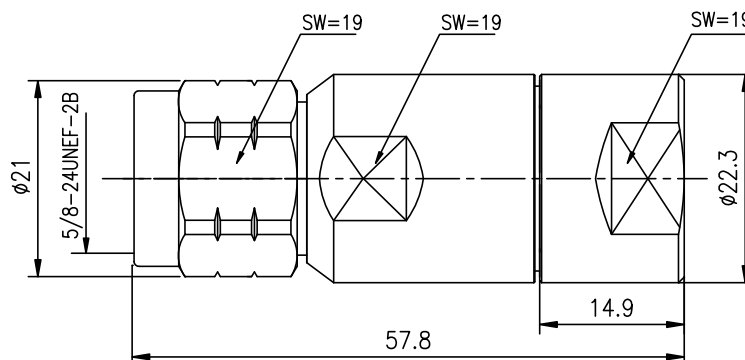
Relative moisture : 90%~95% (Temperature: 40 $\pm$ 2°C)

Water-proof : IP 67

3>.Material and plating:

Name of part	Material	Plating	Thickness of plating
Outer Contact	Brass (HPb59-1)	Alloy plated	$\geq 3\mu$
Center Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Plug Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Connecting Nut	Brass (HPb59-1)	Nickel plated	2~3 μ
Stop Ring	Brass (HPb59-1)	Nickel plated	2~3 μ
Gasket	Rubber		
Insulator	PTEF (SFX-1-1)		

4>.Product dimensions:



SPECIFICATION OF N FEMALE CONNECTOR FOR 1/2" FLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.1

N Female For 1/2 Feeder Cable RF Connector is in accordance with IEC60169-16: 1982

Female interface screw thread: 5/8-24UNEF-2A

1>.Electrical Characteristics:

Model		N/F-1/2"-CP
Impedance(Ω)		50 Ω
Frequency range		0~3 GHz
Insertion loss (900MHz)		$\leq 0.1\text{dB}$
Intermodulation (PIM 3)		$\leq -160\text{dBc}@2\text{x}20\text{W}$ ($\leq -165\text{dBc}@2\text{x}20\text{W}$ Typical)
Insulation resistance		$\geq 5000\text{m}\Omega$
Contact resistance	Inner conductor	$\leq 1.00\text{ m}\Omega$
	Outer conductor	$\leq 0.25\text{ m}\Omega$
Withstanding voltage AC(V/min)		2500V
VSWR		≤ 1.10 (0~2700MHz)
Durability		500 Times

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

2>.Working environment:

Working temperature : -40~+85°C

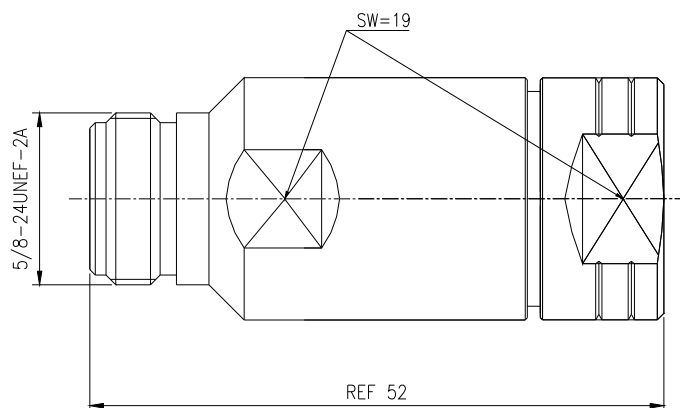
Relative moisture : 90%~95% (Temperature: 40 $\pm$ 2°C)

Water-proof : IP 67

3>.Material and plating:

Name of part	Material	Plating	Thickness of plating
Outer Contact	Brass (HPb59-1)	Alloy plated	$\geq 3\mu$
Center Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Jack Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Connecting Nut	Brass (HPb59-1)	Nickel plated	2~3 μ
Stop Ring	Brass (HPb59-1)	Nickel plated	2~3 μ
Gasket	Rubber		
Insulator	PTEF (SFX-1-1)		

4>.Product dimensions:



SPECIFICATION OF N MALE RIGHT ANGLE CONNECTOR FOR 1/2" FLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.1

N Male Right Angle For 1/2 Feeder Cable RF Connector is in accordance with IEC60169-16: 1982

Male interface screw thread: 5/8-24UNEF-2B

1>.Electrical Characteristics:

Model		N/M-1/2"-CP(R)
Impedance(Ω)		50 Ω
Frequency range		0~3 GHz
Insertion loss (900MHz)		$\leq 0.1\text{dB}$
Intermodulation (PIM 3)		$\leq -150\text{dBc}@2\text{x}20\text{W}$ ($\leq -155\text{dBc}@2\text{x}20\text{W}$ Typical)
Insulation resistance		$\geq 5000\text{m}\Omega$
Contact resistance	Inner conductor	$\leq 1.00\text{ m}\Omega$
	Outer conductor	$\leq 0.25\text{ m}\Omega$
Withstanding voltage AC(V/min)		2500V
VSWR		≤ 1.10 (0~2700MHz)
Durability		500 Times

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

2>.Working environment:

Working temperature : -40~+85°C

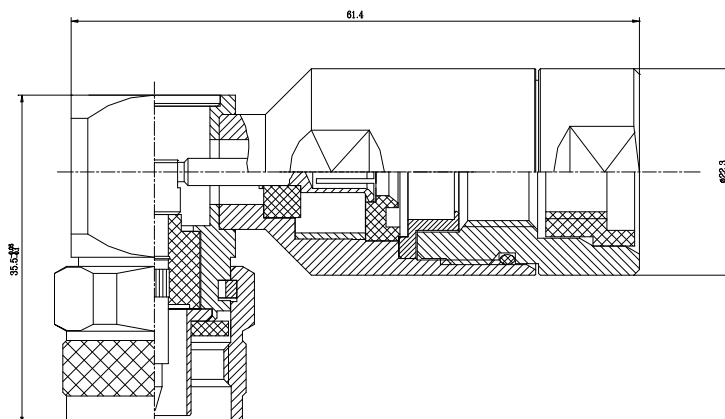
Relative moisture : 90%~95% (Temperature: 40 $\pm$ 2°C)

Water-proof : IP 67

3>.Material and plating:

Name of part	Material	Plating	Thickness of plating
Outer Contact	Brass (HPb59-1)	Alloy plated	$\geq 3\mu$
Center Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Plug Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Connecting Nut	Brass (HPb59-1)	Nickel plated	2~3 μ
Stop Ring	Brass (HPb59-1)	Nickel plated	2~3 μ
Gasket	Rubber		
Insulator	PTEF (SFX-1-1)		

4>.Product dimensions:



SPECIFICATION OF N MALE CONNECTOR FOR 7/8" FLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.1

N Male For 7/8" Feeder Cable RF Connector is in accordance with IEC60169-16: 1982

Male interface screw thread: 5/8-24UNEF-2B

1>.Electrical Characteristics:

Model		N/M-7/8"-CP
Impedance(Ω)		50 Ω
Frequency range		0~3 GHz
Insertion loss (900MHz)		≤ 0.12 dB
Intermodulation (PIM 3)		≤ -160 dBc@2x20W (≤ -165 dBc@2x20W Typical)
Insulation resistance		≥ 5000 m Ω
Contact resistance	Inner conductor	≤ 1.00 m Ω
	Outer conductor	≤ 0.25 m Ω
Withstanding voltage AC(V/min)		2500V
VSWR		≤ 1.10 (0~2700MHz)
Durability		500 Times

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

2>.Working environment:

Working temperature : -40~+85°C

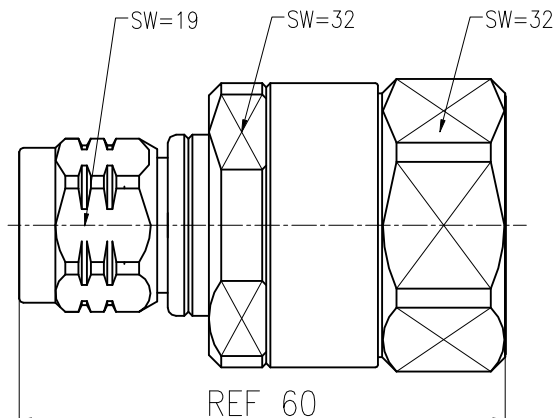
Relative moisture : 90%~95% (Temperature: 40 $\pm$ 2°C)

Water-proof : IP 67

3>.Material and plating:

Name of part	Material	Plating	Thickness of plating
Outer Contact	Brass (HPb59-1)	Alloy plated	$\geq 3\mu$
Center Contact	Qbe2	Silver plated	3~6 μ
Plug Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Connecting Nut	Brass (HPb59-1)	Nickel plated	2~3 μ
Stop Ring	Brass (HPb59-1)	Nickel plated	2~3 μ
Gasket	Rubber		
Insulator	PTEF (SFX-1-1)		

4>.Product dimensions:



SPECIFICATION OF N FEMALE CONNECTOR FOR 7/8" FLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.1

N Female For 7/8" Feeder Cable RF Connector is in accordance with IEC60169-16: 1982

Female interface screw thread: 5/8-24UNEF-2A

1>.Electrical Characteristics:

Model		N/F-7/8"-CP
Impedance(Ω)		50 Ω
Frequency range		0~3 GHz
Insertion loss (900MHz)		≤ 0.12 dB
Intermodulation (PIM 3)		≤ -160 dBc@2x20W (≤ -165 dBc@2x20W Typical)
Insulation resistance		≥ 5000 m Ω
Contact resistance	Inner conductor	≤ 1.00 m Ω
	Outer conductor	≤ 0.25 m Ω
Withstanding voltage AC(V/min)		2500V
VSWR		≤ 1.10 (0~2700MHz)
Durability		500 Times

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

2>.Working environment:

Working temperature : -40~+85°C

Relative moisture : 90%~95% (Temperature: 40 $\pm$ 2°C)

Water-proof : IP 67

3>.Material and plating:

Name of part	Material	Plating	Thickness of plating
Outer Contact	Brass (HPb59-1)	Alloy plated	$\geq 3\mu$
Center Contact	Qbe2	Silver plated	3~6 μ
Jack Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Connecting Nut	Brass (HPb59-1)	Nickel plated	2~3 μ
Stop Ring	Brass (HPb59-1)	Nickel plated	2~3 μ
Gasket	Rubber		
Insulator	PTEF (SFX-1-1)		

4>.Product dimensions:

