

SPECIFICATION OF 7/16(DIN) MALE CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.3

7/16(DIN) Male For 1/2"SF Cable RF Connector is in accordance with IEC60169-4: 1975

Male interface screw thread: M29X1.5

1>.Electrical Characteristics:

Item		Specification
Impedance(Ω)		50 Ω
Frequency range		0~3 GHz
Insertion loss (900MHz)		$\leq 0.08\text{dB}$
Insulation resistance		$\geq 10000\text{m}\Omega$
Intermodulation (PIM 3)		$\leq -160\text{dBc}@2\text{x}20\text{W}$ ($\leq -165\text{dBc}@2\text{x}20\text{W}$ Typical)
Contact resistance	Inner conductor	$\leq 0.40\text{ m}\Omega$
	Outer conductor	$\leq 0.20\text{ m}\Omega$
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)

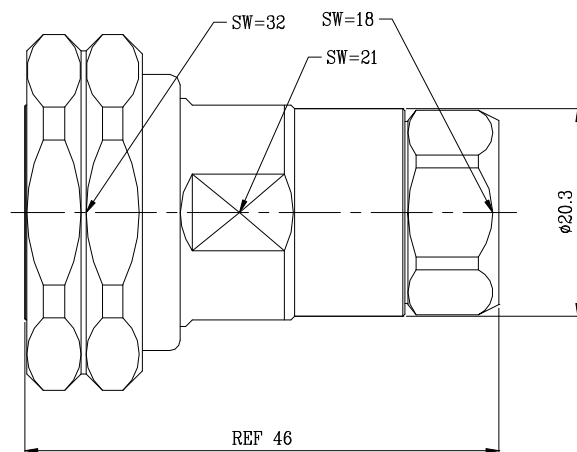
Water-proof : IP 68

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)		

Note: The thickness of plating can be regulated according to clients.

4>.Product dimensions:



SPECIFICATION OF 7/16(DIN) FEMALE CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.3

7/16(DIN) Female For 1/2"SF Cable RF Connector is in accordance with IEC60169-4: 1975

Female interface screw thread: M29X1.5

1>.Electrical Characteristics:

Item		Specification
Impedance(Ω)		50 Ω
Frequency range		0~3 GHz
Insertion loss (900MHz)		≤ 0.08 dB
Insulation resistance		≥ 10000 m Ω
Intermodulation (PIM 3)		≤ -160 dBc@2x20W (≤ -165 dBc@2x20W Typical)
Contact resistance	Inner conductor	≤ 0.40 m Ω
	Outer conductor	≤ 0.20 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)

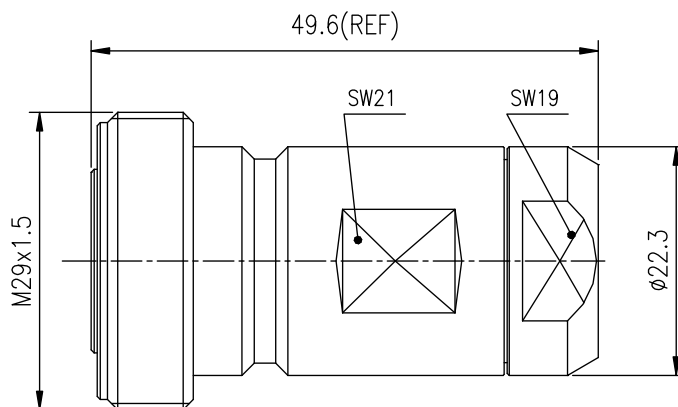
Water-proof : IP 68

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)		

Note: The thickness of plating can be regulated according to clients.

4>.Product dimensions:



SPECIFICATION OF 7/16(DIN) MALE(RA) CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.3

7/16(DIN) Male Right Angle For 1/2" Superflexible Cable RF Connector is in accordance with IEC60169-4: 1975

Male interface screw thread: M29X1.5

1>.Electrical Characteristics:

Item		Specification
Impedance(Ω)		50 Ω
Frequency range		0~3 GHz
Insertion loss (900MHz)		≤ 0.08 dB
Intermodulation (PIM 3)		≤ -150 dBc@2x20W (≤ -155 dBc@2x20W Typical)
Insulation resistance		≥ 10000 m Ω
Contact resistance	Inner conductor	≤ 0.40 m Ω
	Outer conductor	≤ 0.20 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)

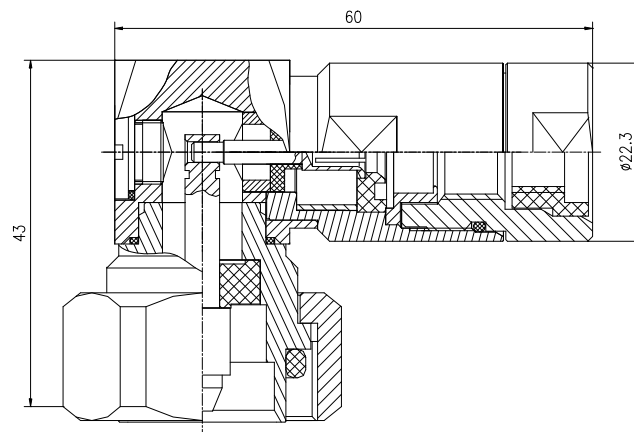
Water-proof : IP 68

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)		

Note: The thickness of plating can be regulated according to clients.

4>.Product dimensions:



SPECIFICATION OF 7/16(DIN) MALE CONNECTOR FOR 1/2" FLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.3

7/16(DIN) Male For 1/2" Feeder Cable RF Connector is in accordance with IEC60169-4: 1975

Male interface screw thread: M29X1.5

1>.Electrical Characteristics:

Item		Specification
Impedance(Ω)		50 Ω
Frequency range		0~3 GHz
Insertion loss (900MHz)		$\leq 0.08\text{dB}$
Intermodulation (PIM 3)		$\leq -160\text{dBc}@2\times 20\text{W}$ ($\leq -165\text{dBc}@2\times 20\text{W}$ Typical)
Insulation resistance		$\geq 10000\text{m}\Omega$
Contact resistance	Inner conductor	$\leq 0.40\text{ m}\Omega$
	Outer conductor	$\leq 0.20\text{ m}\Omega$
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)

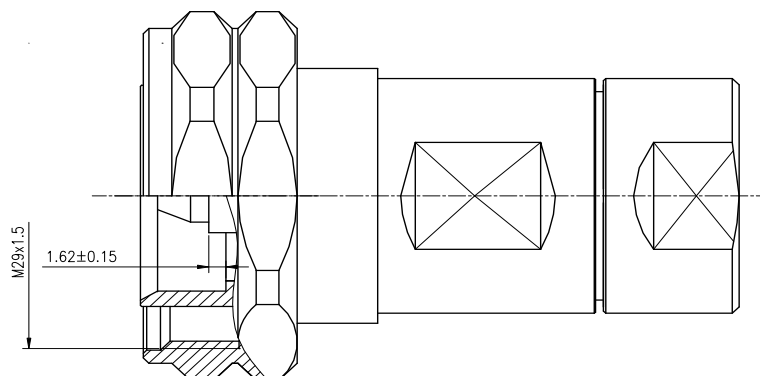
Water-proof : IP 68

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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)		

Note: The thickness of plating can be regulated according to clients.

4>.Product dimensions:



SPECIFICATION OF 7/16(DIN) FEMALE CONNECTOR FOR 1/2" FLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.3

7/16(DIN) Female For 1/2" Feeder Cable RF Connector is in accordance with IEC60169-4: 1975

Female interface screw thread: M29X1.5

1>.Electrical Characteristics:

Item		Specification
Impedance(Ω)		50 Ω
Frequency range		0~3 GHz
Insertion loss (900MHz)		$\leq 0.08\text{dB}$
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		$\geq 10000\text{m}\Omega$
Contact resistance	Inner conductor	$\leq 0.40\text{ m}\Omega$
	Outer conductor	$\leq 0.20\text{ m}\Omega$
Withstanding voltage AC(V/min)		2500V
VSWR		≤ 1.10 (0~2700MHz)
Durability		500 Times

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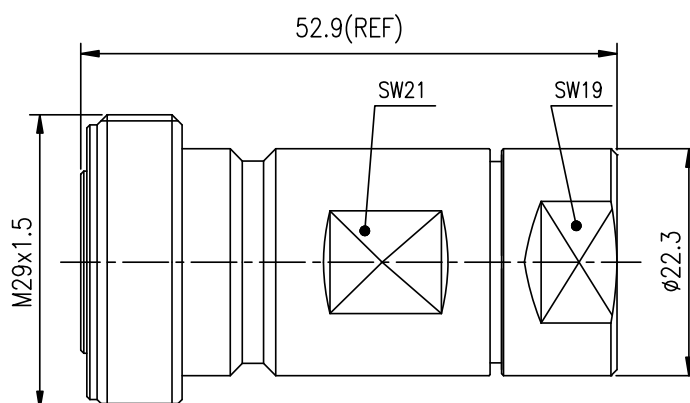
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Outer Contact	Brass (HPb59-1)	Alloy plated	$\geq 3\mu$
Center Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
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Connecting Nut	Brass (HPb59-1)	Nickel plated	2~3 μ
Gasket	Rubber		
Insulator	PTEF (SFX-1-1)		

Note: The thickness of plating can be regulated according to clients.

4>.Product dimensions:



SPECIFICATION OF 7/16(DIN) MALE(RA) CONNECTOR FOR 1/2" FLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.3

7/16(DIN) Male Right Angle For 1/2" Feeder Cable RF Connector is in accordance with IEC60169-4: 1975

Male interface screw thread: M29X1.5

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Connecting Nut	Brass (HPb59-1)	Nickel plated	2~3 μ
Gasket	Rubber		
Insulator	PTEF (SFX-1-1)		

Note: The thickness of plating can be regulated according to clients.

4>.Product dimensions:

