

TNC 系列射频同轴连接器

概述

TNC 系列射频同轴连接器符合国家军用标准 GJB681A、美国军用标准 MIL-PRF-39012 及国际电工委员会标准 IEC60169-17 的相关规定。它是一种采用螺纹连接机构的中小功率连接器，具有频带宽、机械和电气性能优越、可靠性高等优点，广泛应用于无线电设备和电子仪器中连接射频同轴电缆。

执行标准

质量等级	规范代号	适用产品类型
企军标	Q/Jc20128-2008	TNC 接电缆及接微带连接器
企军标	Q/Jc20129-2008	TNC 系列内转接器
七专	Q/Jc20454-2014	接电缆连接器
七专	Q/Jc20455-2014	接微带连接器
七专	Q/Jc20456-2014	转接器
可靠性	LMS070400003-2013	TNC 接微带连接器
可靠性	LMS070400004-2013	TNC 接电缆连接器
可靠性	LMS070400019-2013	转接器
SAST	SASTYPS0702/0016-2015	TNC 接电缆连接器
CAST	CASTPS05/965-2012	TNC 接电缆连接器
宇标	Q/QJA 20116/17-2018	TNC 接微带连接器
宇标	Q/QJA 20116/15-2018	TNC 接电缆连接器
宇标	Q/QJA 20116/16-2018	TNC 转接器

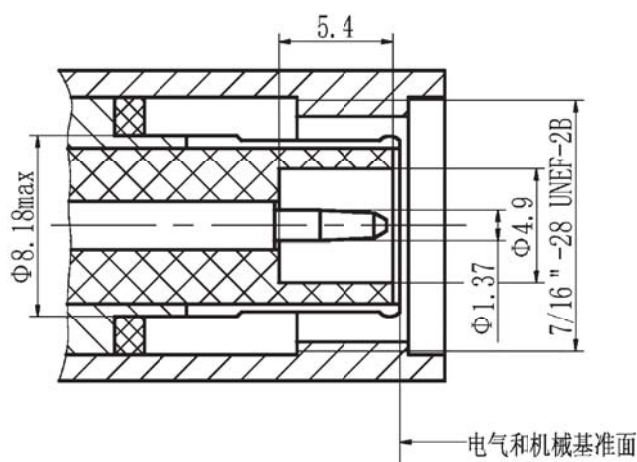
主要技术特性

工作温度	-65~+165℃	相对湿度		40±2℃时,90~95%
大气压力	101.3kPa~4.4kPa	绝缘电阻(标准条件)		≥5000MΩ
特性阻抗	50Ω	介质耐压(标准条件)		1500Vmax
振 动	10~2000Hz,147 m/s ²	接触电阻	内导体	≤0.005Ω
冲 击	490 m/s ²		外导体	≤0.0015Ω
使用频率	DC~11GHz	射频泄漏(1~3GHz)		≤-60dB
电压驻波比	≤1.3	插入损耗		0.3dB/9GHz
		机械寿命		500次

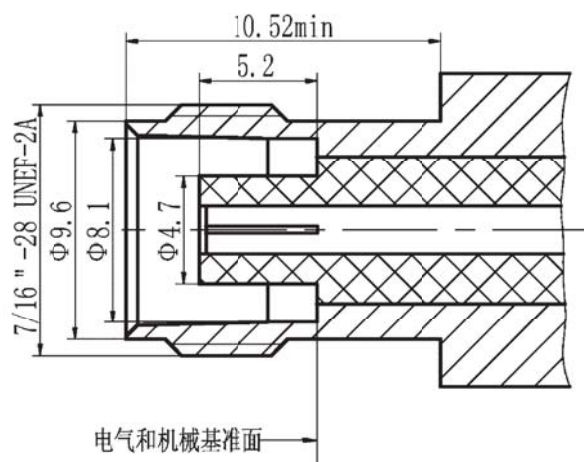
注:半刚性电缆连接器工作温度为-55~+105℃;灌胶类产品工作温度为-55~+125℃。

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接口配合尺寸



TNC 系列插针连接器界面

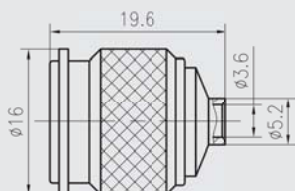


TNC 系列插孔连接器界面

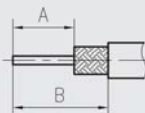
TNC 系列——电缆插头：自由端



TNC-JB3



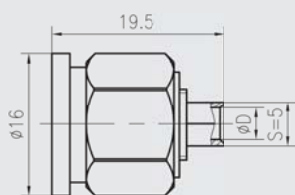
电缆剥线尺寸



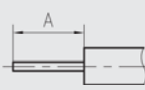
型 号	A	B	适配电缆
TNC-JB3	3	3.6	SFT-50-3-1



TNC-JB3G



电缆剥线尺寸

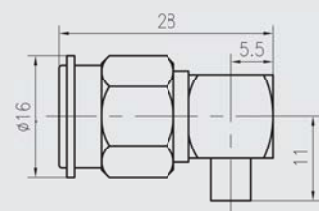


型 号	A	D	适配电缆
TNC-JB3G	3.3	3.6	SFT-50-3-1

注：壳体、连接螺母为不锈钢。



TNC-JWB3



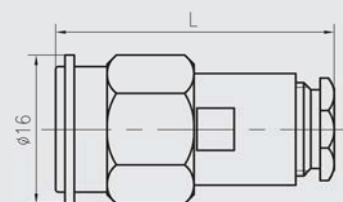
电缆剥线尺寸



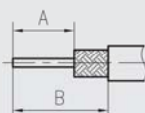
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TNC-JWB3	3.6	SFT-50-3-1



TNC-J3 等



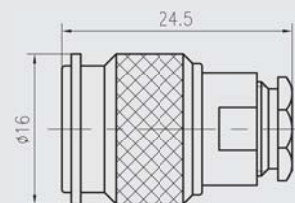
电缆剥线尺寸



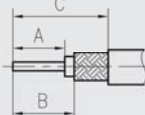
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TNC-J3	4.5	10.5	26	SFF-50-1.5-1
TNC-J21	7.5	11	33.5	SDY-4



TNC-J5-1



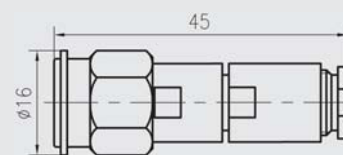
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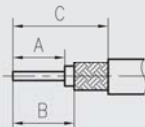
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TNC-J5-1	4.5	6	10	SUV-50-3-5



TNC-J5A



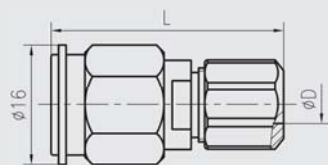
电缆剥线尺寸



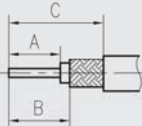
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TNC-J5A	5.5	7	14.1	SFF-50-3-1



TNC-J3A 等



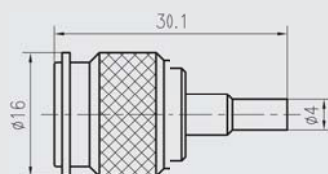
电缆剥线尺寸



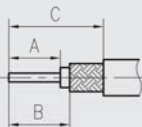
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TNC-J3A	4.5	5.5	9.5	3.1	25	SFF-50-1.5-1
TNC-J4	6.1	6.7	12.7	4.2	31.5	SFF-50-2-2
TNC-J5	6.3	6.7	13.2	5.2	31	SFF-50-3-1



TNC-J3Y



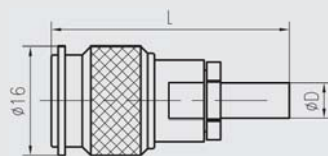
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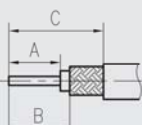
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TNC-J3Y	2.6	4.2	10.9	SFF-50-1.5-1



TNC-J4Y 等



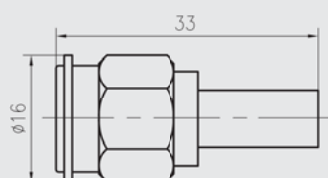
电缆剥线尺寸



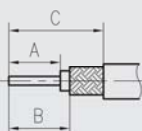
型 号	A	B	C	D	L	适配电缆
TNC-J4Y	4.5	13.8	22.1	5.2	35	SFF-50-2-2
TNC-J5Y	4.5	13.8	22.1	6.2	37	SFF-50-3-1



TNC-J7AY



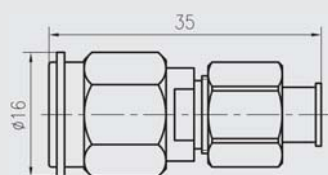
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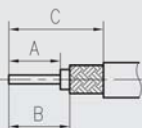
型 号	A	B	C	适配电缆
TNC-J7AY	4.8	6.8	15.5	SUJ-50-5



TNC-J301S



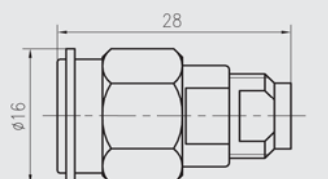
电缆剥线尺寸



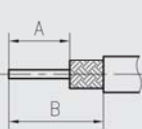
型 号	A	B	C	适配电缆
TNC-J301S	6.1	6.7	11.7	SFCF46-50-4-51



TNC-JC301B



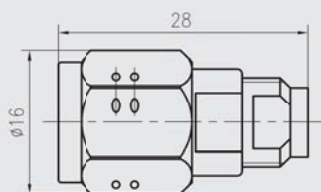
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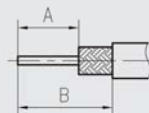
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TNC-JC301B	6	14	SUV-50-3-5



TNC-JC301B-1



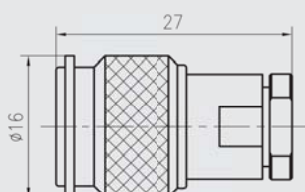
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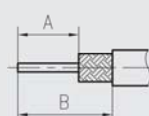
型 号	A	B	适配电缆
TNC-JC301B-1	6	14	SUV-50-3-5



TNC-J240



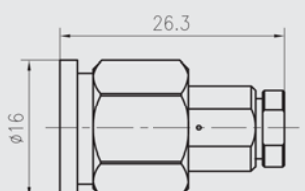
电缆剥线尺寸



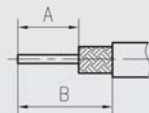
型 号	A	B	适配电缆
TNC-J240	3.7	7.7	LMR240



TNC-JM52-13 等



电缆剥线尺寸



型 号	A	B	适配电缆
TNC-JM52-13	3.7	7.7	MCC205A
TNC-JM55-13	3.7	7.7	Astrolab32055
TNC-J52	3.7	7.7	MCC205A
TNC-JC36	4	8	FSE-360

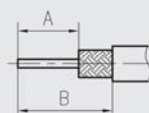
注:壳体、连接螺母为不锈钢。



TNC-JM79-13



电缆剥线尺寸

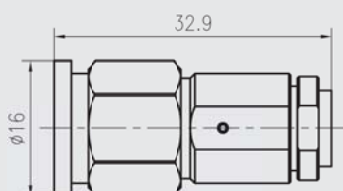


型 号	A	B	适配电缆
TNC-JM79-13	3.7	11.7	MCC311A

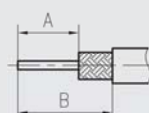
注:壳体、连接螺母为不锈钢。



TNC-JM79-83



电缆剥线尺寸

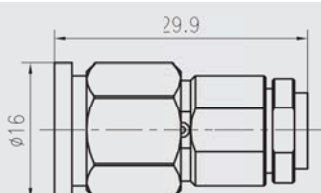


型 号	A	B	适配电缆
TNC-JM79-83	3.7	11.7	MCC311A

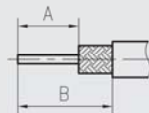
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TNC-JM79-20

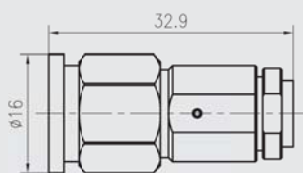


电缆剥线尺寸



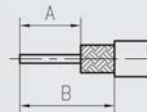
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TNC-JM79-20	3.7	11.7	MCC311A

注:连接螺母为不锈钢。

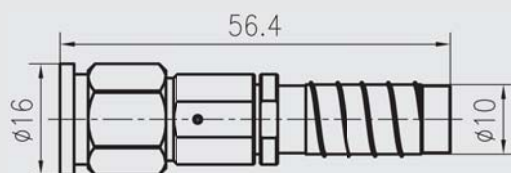


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电缆剥线尺寸

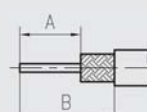


型 号	A	B	适配电纜
TNC-JM79-60	3.7	11.7	MCC311A

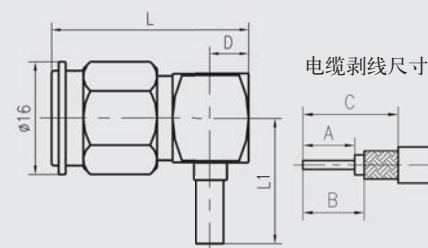


注:连接螺母为不锈钢。 适用于带铠甲电缆。

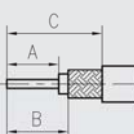
电缆剥线尺寸



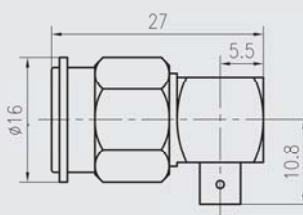
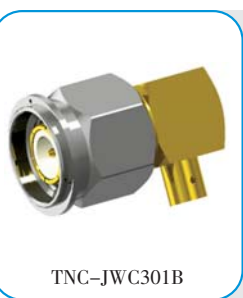
型 号	A	B	适配电纜
TNC-JM79-70	3.7	11.7	MCC311A



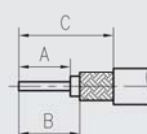
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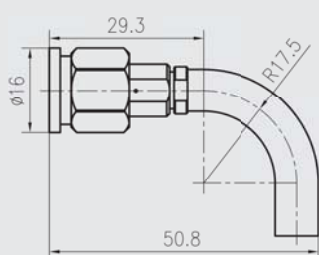
型 号	A	B	C	D	L	L1	适配电纜
TNC-JW3Y	4.8	10.3	16.4	5.5	28	18	SFF-50-1.5-1
TNC-JW4Y	4.3	5.4	18	5.5	28	18.5	SFF-50-2-2
TNC-JW5Y	4.3	5.4	18	5.5	28	20.5	SFF-50-3-1
TNC-JW6Y	4.3	5.4	18	5.5	28	20.5	SFF-50-5
TNC-JW7AY	4.8	6.8	15.5	7	31	23.5	SFCF-50-5-5



电缆剥线尺寸

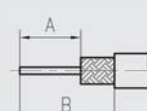


型 号	A	B	C	适配电纜
TNC-JWC301B	4	4.5	11.3	SUV-50-3-5

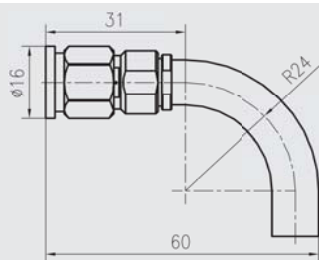


注:壳体、连接螺母、弯管为不锈钢。

电缆剥线尺寸

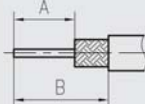


型 号	A	B	适配电纜
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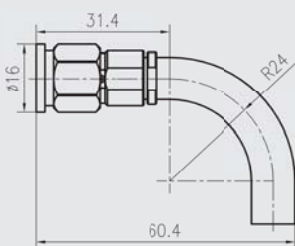


注:壳体、连接螺母、弯管为不锈钢。

电缆剥线尺寸

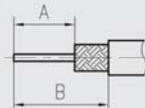


型 号	A	B	适配电缆
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TNC-JW79	3.7	11.7	MCC311A

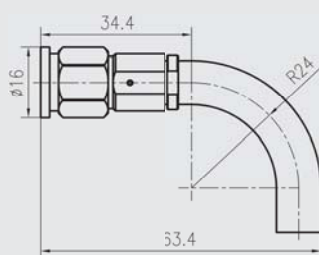


注:连接螺母、弯管为不锈钢。

电缆剥线尺寸

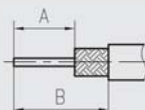


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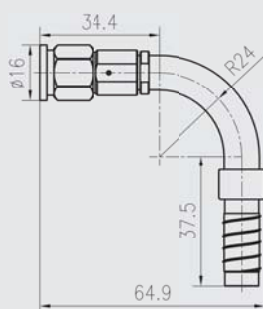


注:连接螺母、弯管为不锈钢。

电缆剥线尺寸

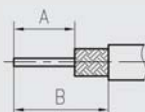


型 号	A	B	适配电缆
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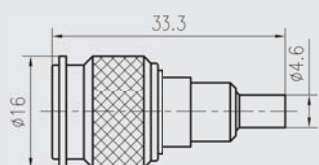


注:连接螺母、弯管为不锈钢。 适用于带铠甲电缆

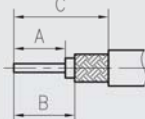
电缆剥线尺寸



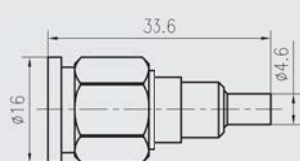
型 号	A	B	适配电缆
TNC-JWM79-70	3.7	11.7	MCC311A



电缆剥线尺寸

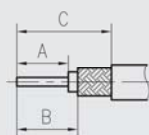


型 号	A	B	C	适配电缆
TNC-75J13-2	2.6	5.3	11.7	SFPF-75-2



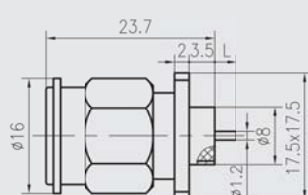
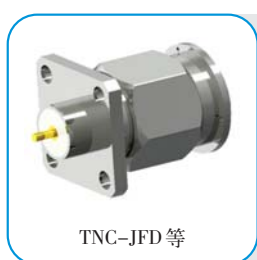
注:壳体、连接螺母为不锈钢。

电缆剥线尺寸

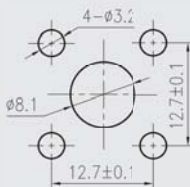


型号	A	B	C	适配电缆
TNC-75J13G	2.6	5.3	11.7	SFPF-75-2

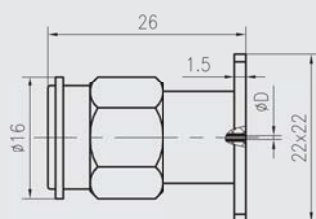
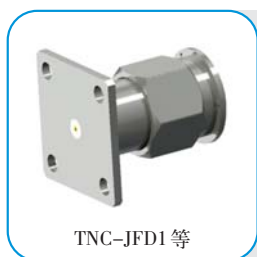
TNC 系列——微带插头：法兰安装



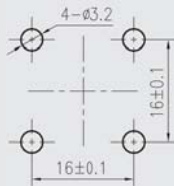
安装开孔尺寸



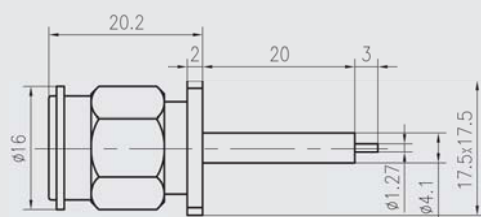
型号	L
TNC-JFD	3
TNC-JFD4	1.5



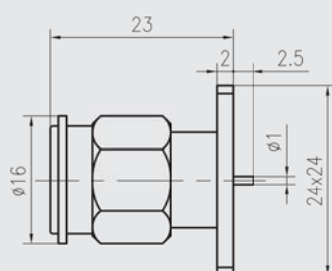
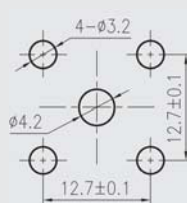
安装开孔尺寸



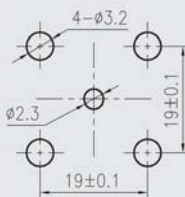
型号	D
TNC-JFD1	0.35
TNC-JFD2	0.49



安装开孔尺寸

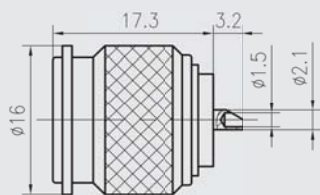


安装开孔尺寸





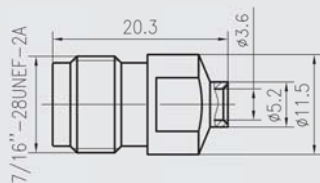
TNC-JHD6



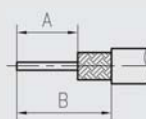
TNC 系列——电缆插座：自由端



TNC-KB3



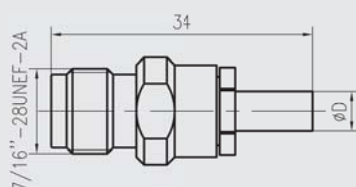
电缆剥线尺寸



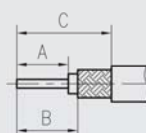
型号	A	B	适配电缆
TNC-KB3	3.5	4.2	SFT-50-3-1



TNC-K4Y 等



电缆剥线尺寸

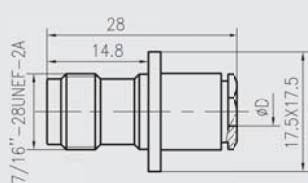


型号	A	B	C	D	适配电缆
TNC-K4Y	4.5	11.7	20.3	5.2	SFF-50-2-2
TNC-K5Y	4.5	11.7	20.3	6.2	SFF-50-3-1

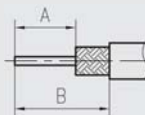
TNC 系列——电缆插座：法兰安装



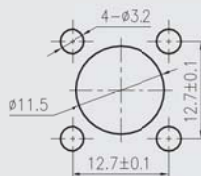
TNC-KF2



电缆剥线尺寸



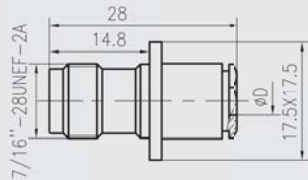
安装开孔尺寸



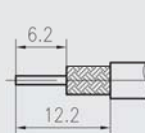
型号	A	B	D
TNC-KF2	4.2	11	2.1
适配电缆			
SFF-50-1			SYV-50-1



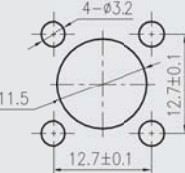
TNC-KF3A 等



电缆剥线尺寸



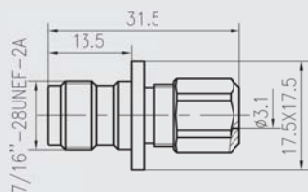
安装开孔尺寸



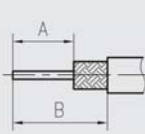
型号	D	适配电缆
TNC-KF3A	3.1	SFF-50-1.5-1
TNC-KF4A	4.2	SFF-50-2-2
TNC-KF5A	5.2	SFF-50-3-1



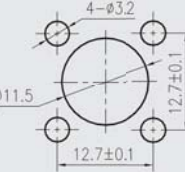
TNC-KF3



电缆剥线尺寸



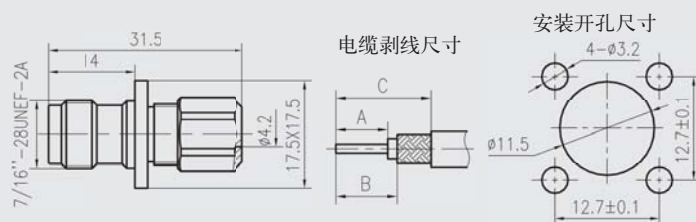
安装开孔尺寸



型号	A	B
TNC-KF3	4.5	11.5
适配电缆		
SFF-50-1.5-1		



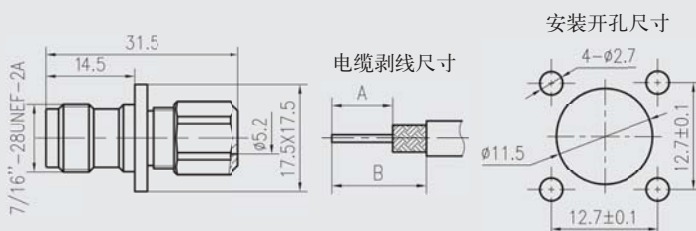
TNC-KF4



型 号	A	B	C
TNC-KF4	6.1	6.7	12.7
适配電纜			
SFF-50-2-2			



TNC-KF5

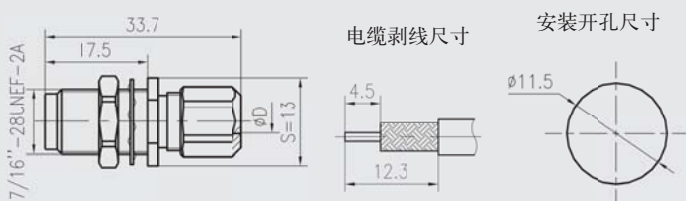


型 号	A	B
TNC-KF5	5.5	10.5
适配电纜		
SFF-50-3-1		

TNC 系列——电缆插座：螺纹安装



TNC-KY3 等

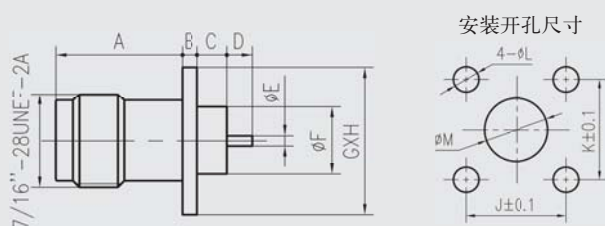


型 号	D	适配电缆
TNC-KY3	3.1	SFF-50-1.5-1
TNC-KY4	4.2	SFF-50-2-2
TNC-KY5	5.2	SFF-50-3-1

TNC 系列——微带插座：法兰安装



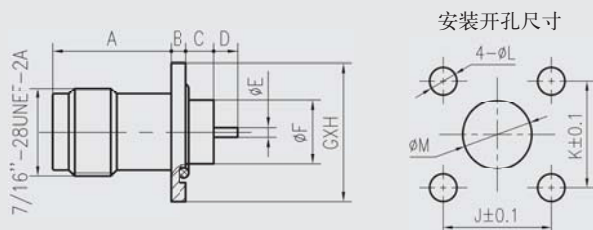
TNC-50KFD1 等



型 号	A	B	C	D	E	F	G	H	J	K	L	M
TNC—50KFD1	17	1.5	2	3.8	1	5	17.5	17.5	12.7	12.7	3.2	5.1
TNC—50KFD5	14.8	2	3.5	3	1.2	8	17.5	17.5	12.7	12.7	3.2	8.1
TNC—50KFD11	14.3	2	3.2	15	1	8	17.5	17.5	12.7	12.7	3.2	8.1
TNC—50KFD22	17.1	1.5	3	4.5	1	9	17.5	17.5	12.7	12.7	3.2	9.1
TNC—50KFD23	14	1.5	3.5	2	1.2	8	20	12	8	16	2.7	8.1
TNC—50KFD24	14	1.5	3.5	9	1.2	8	20	12	8	16	2.7	8.1
TNC—50KFD26	14	1.5	3.5	5	1.2	8	20	12	8	16	2.7	8.1
TNC—50KFD28	14	1.5	3.5	5	M2	8	20	12	8	16	2.7	8.1
TNC—50KFD29	13.5	1.5	7.5	2	1	5	17.5	17.5	12.7	12.7	3.2	5.1
TNC—50KFD30	17.1	1.5	3	1.8	1	5	17.5	17.5	12.7	12.7	3.2	5.1
TNC—50KFD33	15.1	1.5	2	6	1.3	7	17.5	17.5	12.7	12.7	3.2	7.1
TNC—50KFD36	14	1.5	10	5	1.2	8	20	12	8	16	2.7	8.1
TNC—50KFD56	15	1.5	4	5	M2	7	17.5	17.5	12.7	12.7	3.2	7.1
TNC—50KFD61	14.5	2	5	4.2	2.14	9	17.5	17.5	12.7	12.7	3.2	9.1



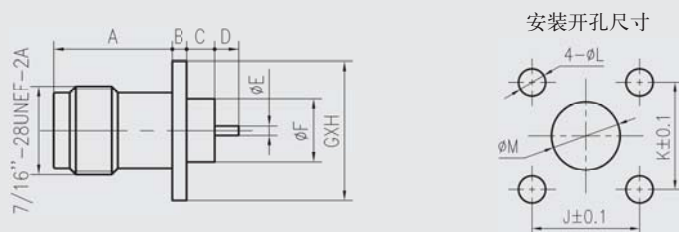
TNC-50KFD2 等



型号	A	B	C	D	E	F	G	H	J	K	L	M
TNC-50KFD2	16.5	2	3	16.3	3	7	17.5	17.5	12.7	12.7	3.2	7.1
TNC-50KFD6	16.5	2	11	17	3	7	17.5	17.5	12.7	12.7	3.2	7.1
TNC-50KFD16	16.5	2	3	7.5	1.7	7	17.5	17.5	12.7	12.7	3.2	7.1
TNC-50KFD38	16.5	2	7	6	3	7	17.5	17.5	12.7	12.7	3.2	7.1
TNC-50KFD59	16.5	2	9	3.5	1.3	4.1	17.5	17.5	12.7	12.7	3.2	4.2



TNC-50KFD3 等

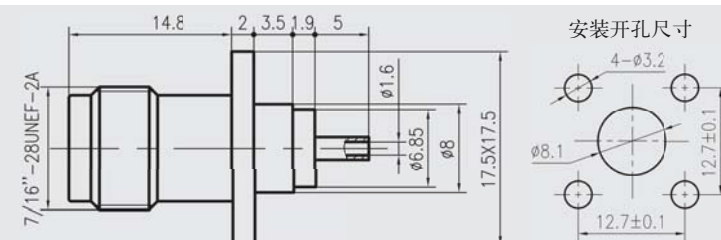


型号	A	B	C	D	E	F	G	H	J	K	L	M
TNC-50KFD3	15	1.5	6.5	1.5	2.14	7	19	19	14	14	3.2	7.1
TNC-50KFD4	15	1.5	5.5	4	2.14	7	19	19	14	14	3.2	7.1
TNC-50KFD15	17	1.5	6.5	5.5	2.14	7	17.5	17.5	12.7	12.7	3.2	7.1
TNC-50KFD17	15	1.5	2	5	M2	7	17.5	17.5	12.7	12.7	3.2	7.1
TNC-50KFD21	18	2	3.2	2	1.54	5.1	20	12	7.5	15	3.2	5.2
TNC-50KFD34	16.5	2	2	6	M3	7	17.5	17.5	12.7	12.7	3.2	7.1
TNC-50KFD35	15	1.5	2	4	M2	7	17.5	17.5	12.7	12.7	3.2	7.1
TNC-50KFD50	15	1.5	5	2.4	M1.6	7	19	19	14	14	3.2	7.1
TNC-50KFD51	17	1.5	2	3.8	1	5	17.5	17.5	12.7	12.7	3.2	5.1
TNC-50KFD68	16.5	2	3	16.3	3	7	17.5	17.5	12.7	12.7	3.2	7.1
TNC-KFD100	16.5	2	11.5	6.5	1.6	5.4	21	21	16	16	3.2	5.4

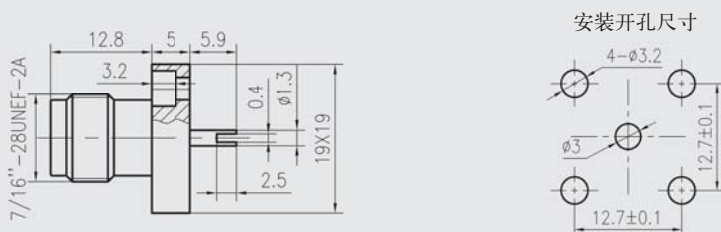
注:TNC-50KFD17为铝合金外壳镀金。



TNC-KF

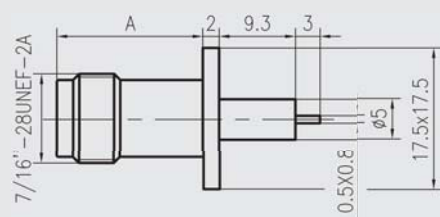


TNC-KFD

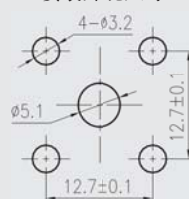




TNC-50KFD12 等



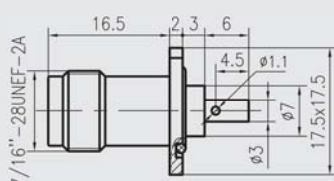
安装开孔尺寸



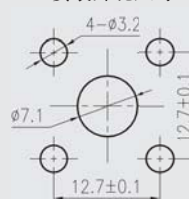
型 号	A
TNC-50KFD12	18
TNC-50KFD13	28



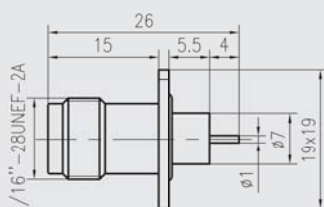
TNC-50KFD14



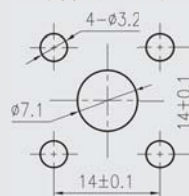
安装开孔尺寸



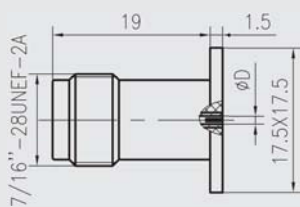
TNC-50KFD27



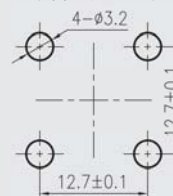
安装开孔尺寸



TNC-50KFD31 等



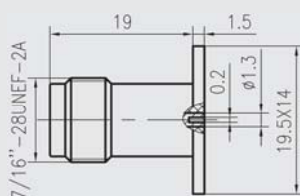
安装开孔尺寸



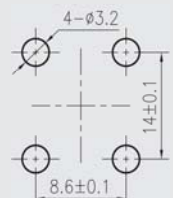
型 号	D
TNC-50KFD31	0.48
TNC-50KFD40	0.5



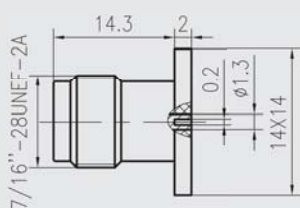
TNC-50KFD32



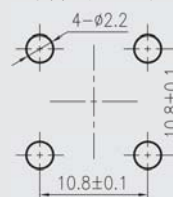
安装开孔尺寸



TNC-50KFD37

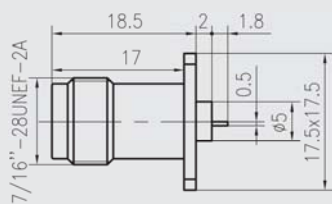


安装开孔尺寸

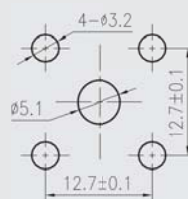




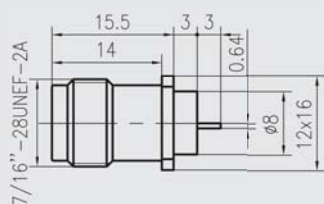
TNC-50KFD39



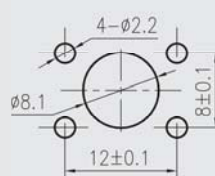
安装开孔尺寸



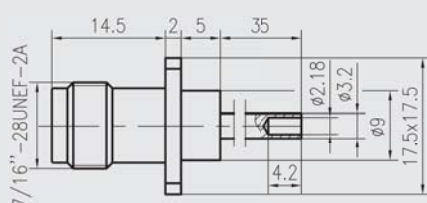
TNC-50KFD55



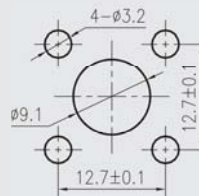
安装开孔尺寸



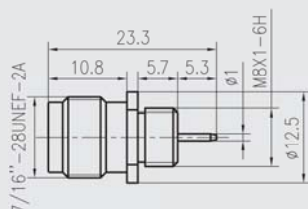
TNC-50KFD62



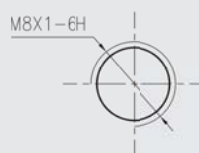
安装开孔尺寸



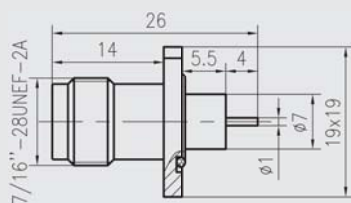
TNC-KFD239



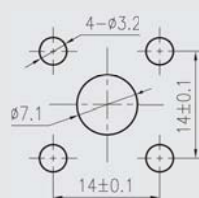
安装开孔尺寸



TNC(M)-50KFD



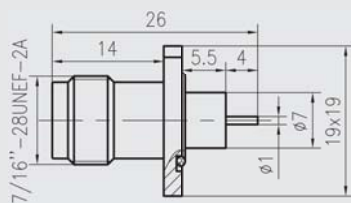
安装开孔尺寸



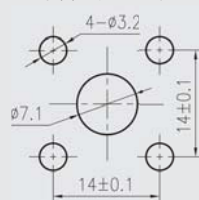
注：气密封连接器，漏率不大于 $1.013 \times 10^{-3} \text{Pa} \cdot \text{cm}^3/\text{s}$ 。



TNC(M)-50KFDG



安装开孔尺寸

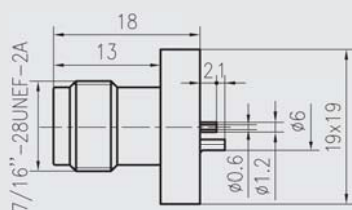


注：气密封连接器，漏率不大于 $1.013 \times 10^{-3} \text{Pa} \cdot \text{cm}^3/\text{s}$ 。

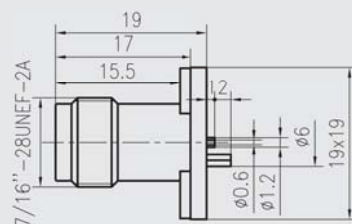
壳体为不锈钢



TNC-75KF13-4



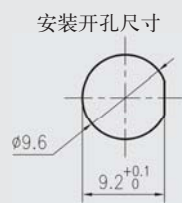
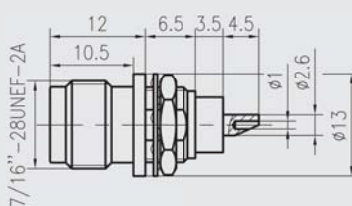
TNC-75KF13-5



TNC 系列——微带插座：螺纹安装



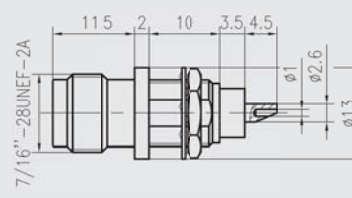
TNC-50KY



安装板厚度不大于1.2mm



TNC-50KY-1

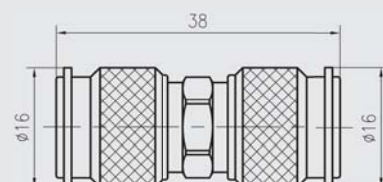


安装板厚度不大于3.5mm

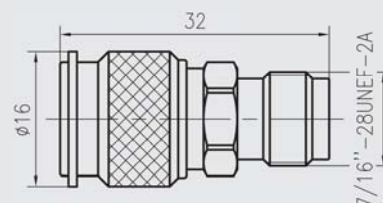
TNC 系列——转接器



TNC-JJ

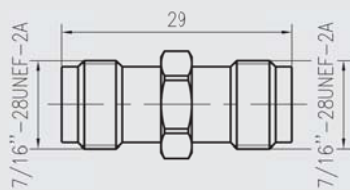


TNC-JK

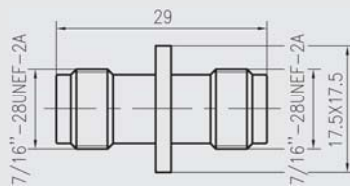




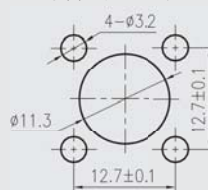
TNC-KK



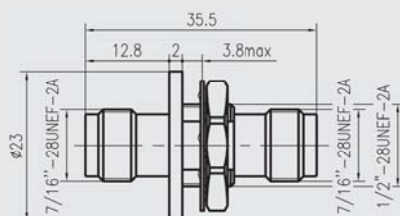
TNC-KKF



安装开孔尺寸



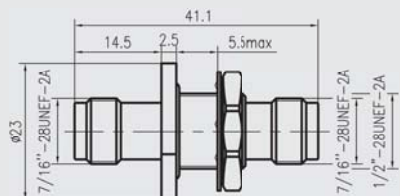
TNC-50KKY



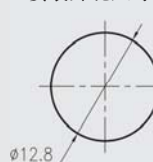
安装开孔尺寸



TNC(M)-50KKY



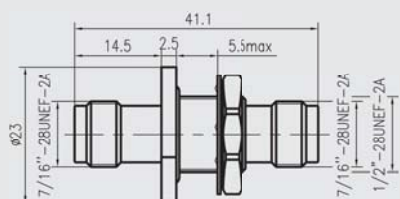
安装开孔尺寸



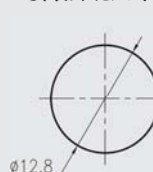
注：气密封转接器，漏率不大于 $1.013 \times 10^{-3} \text{Pa} \cdot \text{cm}^3/\text{s}$ 。



TNC(S)-50KKY



安装开孔尺寸



注：气密封转接器，漏率不大于 $1.013 \times 10^{-3} \text{Pa} \cdot \text{cm}^3/\text{s}$ 。