

编织丝网衬垫

概述

TECKNIT STRIPS是一种弹性导电编织金属丝网衬垫。通常用于电子壳体的接缝处，提供有效的EMI屏蔽。任何能拉成丝的金属均能被TECKNIT制成EMI屏蔽条。TECKNIT STRIPS有四种截面形状：矩形、圆形、带侧翼的圆形和双芯形。常用的材料有：镀锡磷青铜(Sn/Ph/Bz)，镀锡铜包铁(Sn/Cu/Fe)，铜镀银(Ag/Brass)，蒙乃尔(Monel)和铝(Al)。

应用

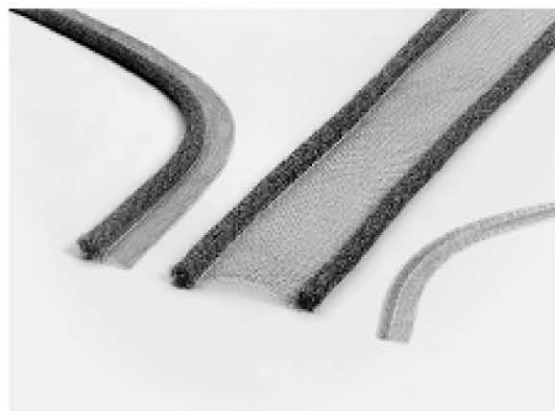
TECKNIT STRIPS用在电子壳体中提供EMI屏蔽。一般来说，矩形丝网用于丝网铸件或机加工件上；圆形丝网和带侧翼的圆形丝网则用于金属板件壳体上。能用TECKNIT导电胶粘结固定(参见导电胶部分)，也能用铆钉或点焊固定。这种丝网条不能提供压力或空气密封，因此不能用于盐雾环境中。为了有效屏蔽，变形应在原高度的15%–30%范围内。

EMI 屏蔽效能*

TECKNIT STRIPS屏蔽效能是按照TECKNIT测试法TSETS-01测得的。这一方法是根据修改后的MIL-STD-285制定的，标准值如下：

材料	磁场	电场	平面波	
	100 kHz	10 MHz	1 GHz	10 GHz
	dB	dB	dB	dB
铜镀银	80+	135+	105	95
镀锡铜包铁	80+	130+	105	95
镀锡磷青铜	80+	130+	110	100
铝	60	130	90	80
蒙乃尔	60+	130	90	80

*以127mm × 127mm小孔为基准



技术参数

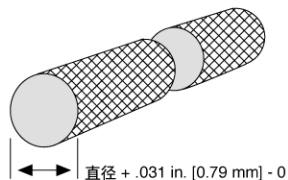
金属丝网材料

- 镀锡磷青铜 丝径0.114mm，产品编号20-6 × × × ×
- 镀锡铜包铁 丝径0.114mm，产品编号20-4 × × × ×
- 铜镀银 丝径0.114mm，镀银(含银3%)，产品编号20-3 × × × ×
- 蒙乃尔 丝径0.114mm，产品编号20-1 × × × ×
- 铝 丝径0.114mm，产品编号20-2 × × × ×

订货信息

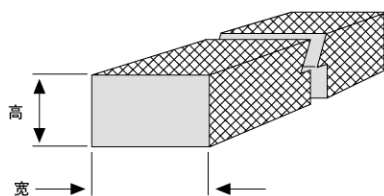
在选择好TECKNIT标准丝网材料及所需截面后，在下页所示的产品编号中代入金属丝网编号。如：带侧翼的圆形镀锡铜包铁丝网条(直径是0.063英寸，总宽为0.750英寸)产品编号为：20-42114，20-4为丝网编号，2114为截面号。

圆形



直径 in. [mm]	产品编号	直径 in. [mm]	产品编号
.063 [1.60]	20-X1110'	.250 [6.35]	20-X1103
.094 [2.39]	20-X1111'	.313 [7.95]	20-X1113
.125 [3.18]	20-X1101	.375 [9.53]	20-X1114
.156 [3.96]	20-X1112	.438 [11.13]	20-X1115
.188 [4.78]	20-X1102	.500 [12.70]	20-X1116

矩形

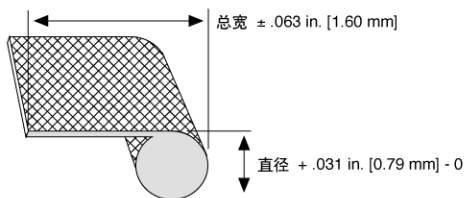


高和宽
1.57 ~ 4.75mm
4.78 ~ 12.7mm

公差
[0.41, -0mm]
[0.79, -0mm]

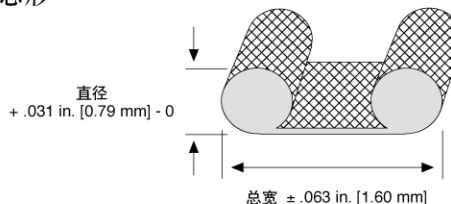
宽 in. [mm]	高 in. [mm]	产品编号	宽 in. [mm]	高 in. [mm]	产品编号
.063 [1.60]	.063 [1.60]	20-X0105	.250 [6.35]	.188 [4.78]	20-X0118
.094 [2.39]	.094 [2.39]	20-X0107	.250 [6.35]	.250 [6.35]	20-X0119
.125 [3.18]	.063 [1.60]	20-X0104	.313 [7.95]	.063 [1.60]	20-X0120
.125 [3.18]	.094 [2.39]	20-X0110	.313 [7.95]	.094 [2.39]	20-X0121
.125 [3.18]	.125 [3.18]	20-X0101	.313 [7.95]	.125 [3.18]	20-X0122
.125 [3.18]	.156 [3.96]	20-X0102	.313 [7.95]	.188 [4.78]	20-X0123
.188 [4.78]	.063 [1.60]	20-X0111	.313 [7.95]	.250 [6.35]	20-X0124
.188 [4.78]	.094 [2.39]	20-X0112	.313 [7.95]	.313 [7.95]	20-X0125
.188 [4.78]	.125 [3.18]	20-X0113	.375 [9.53]	.063 [1.60]	20-X0126
.188 [4.78]	.188 [4.78]	20-X0114	.375 [9.53]	.094 [2.39]	20-X0127
.250 [6.35]	.063 [1.60]	20-X0115	.375 [9.53]	.125 [3.18]	20-X0128
.250 [6.35]	.094 [2.39]	20-X0116	.375 [9.53]	.188 [4.78]	20-X0129
.250 [6.35]	.125 [3.18]	20-X0117	.375 [9.53]	.250 [6.35]	20-X0130
			.375 [9.53]	.375 [9.53]	20-X0131

带侧翼的圆形



直径 in. [mm]	总宽 in. [mm]	产品编号	直径 in. [mm]	总宽 in. [mm]	产品编号
.063 [1.60]	.375 [9.53]	20-X2111	.188 [4.78]	.875 [22.23]	20-X2128
.063 [1.60]	.500 [12.70]	20-X2112	.250 [6.35]	.500 [12.70]	20-X2129
.063 [1.60]	.625 [15.88]	20-X2113	.250 [6.35]	.625 [15.88]	20-X2104
.063 [1.60]	.750 [19.05]	20-X2114	.250 [6.35]	.750 [19.05]	20-X2105
.094 [2.39]	.375 [9.53]	20-X2115	.250 [6.35]	.875 [22.23]	20-X2130
.094 [2.39]	.500 [12.70]	20-X2116	.250 [6.35]	1.000 [25.40]	20-X2131
.094 [2.39]	.750 [19.05]	20-X2117	.313 [7.95]	.625 [15.88]	20-X2132
.125 [3.18]	.375 [9.53]	20-X2101	.313 [7.95]	.750 [19.05]	20-X2133
.125 [3.18]	.438 [11.13]	20-X2118	.313 [7.95]	.875 [22.23]	20-X2134
.125 [3.18]	.500 [12.70]	20-X2119	.375 [9.53]	.625 [15.88]	20-X2135
.125 [3.18]	.563 [14.30]	20-X2120	.375 [9.53]	.750 [19.05]	20-X2136
.125 [3.18]	.625 [15.88]	20-X2102	.375 [9.53]	.875 [22.23]	20-X2137
.125 [3.18]	.750 [19.05]	20-X2121	.375 [9.53]	1.000 [25.40]	20-X2138
.156 [3.96]	.500 [12.70]	20-X2122	.438 [11.13]	.750 [19.05]	20-X2139
.156 [3.96]	.625 [15.88]	20-X2123	.438 [11.13]	.875 [22.23]	20-X2140
.156 [3.96]	.750 [19.05]	20-X2124	.438 [11.13]	1.000 [25.40]	20-X2141
.188 [4.78]	.438 [11.13]	20-X2125	.500 [12.70]	.750 [19.05]	20-X2142
.188 [4.78]	.500 [12.70]	20-X2126	.500 [12.70]	.875 [22.23]	20-X2143
.188 [4.78]	.625 [15.88]	20-X2103	.500 [12.70]	1.000 [25.40]	20-X2144
.188 [4.78]	.750 [19.05]	20-X2127			

双芯形



直径 in. [mm]	总宽 in. [mm]	产品编号	直径 in. [mm]	总宽 in. [mm]	产品编号
.063 [1.60]	.500 [12.70]	20-X5103	.188 [4.78]	.625 [15.88]	20-X5112
.063 [1.60]	.625 [15.88]	20-X5104	.188 [4.78]	.750 [19.05]	20-X5113
.063 [1.60]	.750 [19.05]	20-X5106	.188 [4.78]	.875 [22.23]	20-X5114
.063 [1.60]	.875 [22.23]	20-X5107	.188 [4.78]	1.000 [25.40]	20-X5115
.125 [3.18]	.500 [12.70]	20-X5108	.250 [6.35]	.750 [19.05]	20-X5116
.125 [3.18]	.625 [15.88]	20-X5101	.250 [6.35]	.875 [22.23]	20-X5117
.125 [3.18]	.750 [19.05]	20-X5109	.250 [6.35]	1.000 [25.40]	20-X5118
.125 [3.18]	.875 [22.23]	20-X5110	.375 [9.53]	1.000 [25.40]	20-X5119
.125 [3.18]	1.000 [25.40]	20-X5111	.375 [9.53]	1.250 [31.75]	20-X5120