

01 銅線

1-5 鍍錫軟銅單線

規格 Standard/

CNS-670,C2005 鍍錫軟銅單線

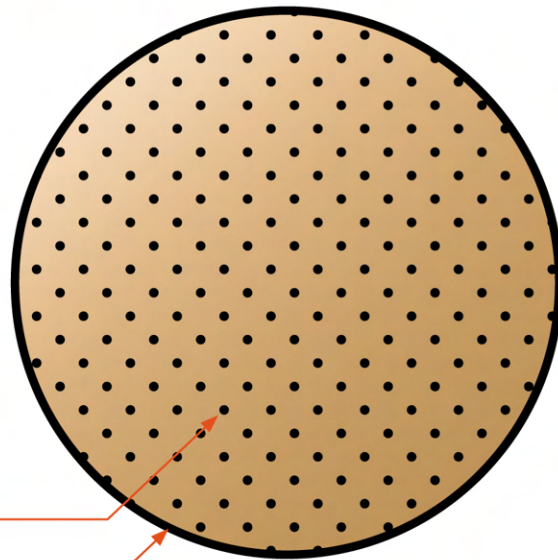
CNS-670,C2005 Tinned annealed copper single wire

構造 Construction/

使用範圍 Use range/

銅線表面鍍錫以增加焊接性及保護銅導體於 PVC 或橡膠絕緣押出時不受侵蝕，並防止橡膠絕緣之老化。適用於通信及電力線纜之導體、電氣機械及各種家用電器之導線。

The surface of copper wire is tin-plated to increase the weld ability and protect the copper conductor from corrosion when PVC or rubber insulation is extruded, and to prevent the aging of the rubber insulation. It is suitable for conductors of communication and power cables, electrical machinery and wires of various household appliances.



裸軟銅單線

鍍錫

線徑 Wire diameter	公差 Tolerance	計算截面積 Calculate the cross-sectional area	計算重量 Calculated weight	導電率 Conductivity	抗張強度 strength	伸長率 Elongation	導體電阻 conductor resistance
mm	mm	mm ²	kg/km	%	kg/mm ²	%	Ω/km
0.35	0.01	0.09621	0.8553	94↑	--	15↑	190.6
0.40	0.01	0.1257	1.117	94↑	--	15↑	145.9
0.45	0.01	0.1590	1.414	94↑	--	15↑	115.4
0.50	0.01	0.1964	1.746	96↑	28↓	20↑	91.44
0.55	0.02	0.2376	2.112	96↑	28↓	20↑	75.59
0.60	0.02	0.2827	2.513	96↑	28↓	20↑	63.53
0.65	0.02	0.3318	2.950	96↑	28↓	20↑	54.13
0.70	0.02	0.3848	3.421	96↑	28↓	20↑	46.67
0.80	0.02	0.5027	4.469	96↑	28↓	20↑	35.73
0.90	0.02	0.6362	5.656	96↑	28↓	20↑	28.23
1.0	0.03	0.7854	6.982	96↑	28↓	20↑	22.87
1.2	0.03	1.131	10.05	96↑	28↓	20↑	15.88
1.4	0.03	1.539	13.68	96↑	27↓	20↑	11.67
1.6	0.03	2.011	17.88	96↑	27↓	20↑	8.930
1.8	0.03	2.545	22.63	96↑	27↓	20↑	7.057
2.0	0.03	3.142	27.93	97↑	27↓	20↑	5.657
2.3	0.03	4.155	36.94	97↑	27↓	20↑	4.278
2.6	0.03	5.309	47.20	97↑	27↓	20↑	3.348
2.9	0.03	6.605	58.72	97↑	26↓	25↑	2.691
3.2	0.04	8.042	71.49	97↑	26↓	25↑	2.210
3.5	0.04	9.621	85.53	97↑	26↓	25↑	1.847

* 表中之值為 20°C 之值。

* 截面積、重量、及最大導體電阻為直徑許可差為零時之值。

* 密度為 8.89 g/cm³