



產品規格書 Product Specification

品名 Product	CAT5E SFTP SOLID 24AWG×4P		單號 NO.	4010770	頁次 Page	2 / 2
版本/版次 Edition	A0	製訂日期 Established Date	10 / 05 / 99	修訂日期 Revised Date	05/02/2002	
核准 Approval		審核 Checked		製表 Finish		

7. 耐燃試驗 Flame Test	燃燒5次，每次燃燒不得超過60秒且紙旗不得燃燒 Burning five times, every time is less than 60 seconds and paper flag can't be burned.
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電氣特性 Electric Characters :

1. 火花測試 Spark Test	2000 ± 250 V ac			
2. 耐壓強度 Dielectric Strength	2500 V dc / 3 seconds			
3. 絕緣阻抗 Insulation Resistance Test	MIN 150 MΩ/Km			
4. 導體電阻 Conductor Resistance	MAX 9.38 Ω/100m at 20°C			
5. 電阻不平衡 Resistance Unbalance	MAX 5%			
6. 電容不平衡 Capacitance Unbalance	MAX 330 pF/100m			
7. 相對電容 Mutual Capacitance	MAX 5600 pF/100m			
8. 特性阻抗 Impedance	722kHz	102Ω ± 15%		
	1~125MHz	100Ω ± 15%		
9. 衰減及串音 Attenuation & Near end cross-talk		Attenuation (dB/100 meters at 20°C),max	Next (dB),min	Power sum (dB),min
	772kHz	--	67*	64*
	1MHz	--	65*	62*
	4MHz	4.1*	56*	53*
	8MHz	5.8*	51*	48*
	10MHz	6.5*	50*	47*
	16MHz	8.2*	47*	44*
	20MHz	9.3*	45*	42*
	25MHz	10.4*	44*	41*
	31.25MHz	11.7*	42*	39*
	62.5MHz	17.0*	38*	35*
	100MHz	22.0*	35*	32*
	125MHz	25.0*	34*	31*

標上星號的僅供參考。在室溫時任何一對組合的串音結合損失是比下列公式計算出的值大。

The asterisked(*) value are for information only. The minimum Next coupling loss for any pair combination at room temperature is to be greater than the value determined using the formula :

$$NEXT(f \text{ MHz}) \geq NEXT(0.772) - 15 \text{ LOG}_{10}(f \text{ MHz}/0.772)$$