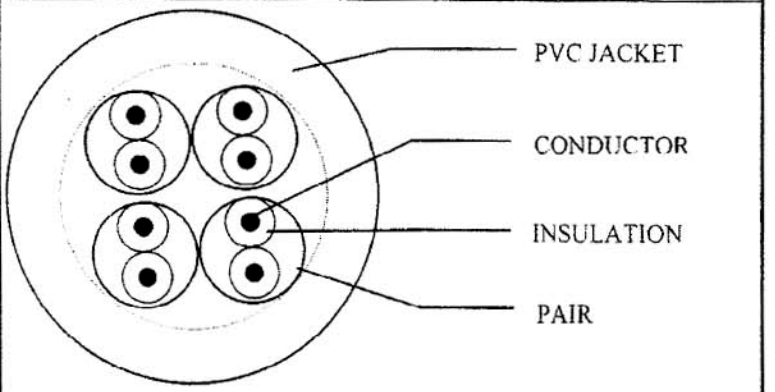
SPECIFICATION: 4P*24AWG CAT5E

ITEM		SPECIFICATION
CONDUCTOR	AWG	24AWG
	MATERIAL	BARE COPPER
	COND.SIZE	1/0.527±0.01 ㎜
INSULATION	MIN.AVG.THICK	0.15 ㎜
	MATERIAL	HD-PE
	O . D	0.92±0.05 ㎜
	N O.	4P
JACKET	MIN.AVG.THICK	0.50 ㎜
	MATERIAL	HAMF MATT PVC (TUBE)
	COLOUR	UL10464 LOW TOXIC (TNT-GY-02)
	O . D	5.60 ± 0.15 ㎜

CONSTRUCTION D.W.G



COLOUR CODE:

1.BLUE * WHITE/BLUE 2.ORANGE* WHITE /ORANGE
3. GREEN* WHITE/GREEN 4. BROWN* WHITE/BROWN

ELECTRICAL CHARACTERISTICS

1. Rating : TEMP 75℃
2. Conductor Resistance: AT 20℃ MAX 24AWG: 93.25Ω/km;
3. Impedance:100±15% ohm
4. Structural Return Loss: at 1~20MHz＞23dB at 25MHz＞22dB at 31.25MHz＞21dB
   at 62.5MHz＞18dB at 100MHz＞16dB
5. Attenuation: at 1MHz 2.0dB/100m at 4MHz 4.1dB/100m at 8MHz 5.8dB/100m
   at 10MHz 6.5dB/100m at 16MHz 8.2dB/100m at 20MHz 9.3dB/100m
   at 25MHz 10.4dB/100m at 62.5MHz 17.0dB/100m at100MHz 22.0dB/100m
6. Delay(max): at 1MHz 570ns/100m at 10MHz 545ns/100m at 100MHz 538ns/100m
7. Skew(max): at 1MHz~100MHz 45ns/100m
8. Near-End Xtalk(min): at 1MHz 65.31dB at 10MHz 50.31dB at 100MHz 35.31dB
9. Power Sum Near-End Xtalk(min): at 1MHz 62.3dB at 10MHz 47.3dB at 100MHz 32.3dB
10. Equal Level Far-End Xtalk(min): at 1MHz 63.8dB at 10MHz 43.8dB at 100MHz 23.8dB
11. Power Sum Far-End Xtalk(min): at 1MHz 60.8dB at 10MHz 40.8dB at 100MHz 20.8dB
12. Return loss: at 1MHz >20dB at 10~20MHz >25dB at 100MHz >20.1dB

MARKING

E188601 (UL) TYPE CMR 24AWG/4PRS LL84201
CSA TYPE CMG FT4 UTP ETL VERIFIED TO TIA/EIA-568-B.2
CATEGORY 5E

REMARK

	PART NO.		
APPROVED		CUSTOMER	
CHECKED		REV	A
DRAWING		DATE	2004/10/27