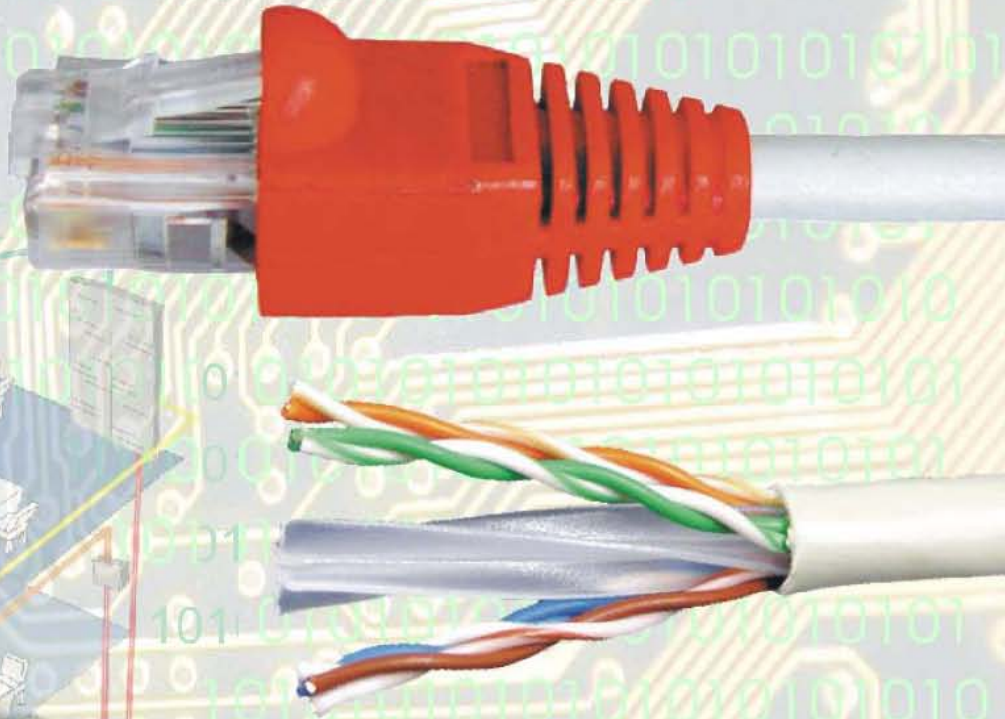
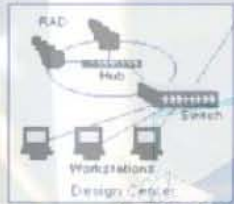




# Category 5/5E/6 Cable



**Supercomal Group**  
**Supercomal Advanced Cables SDN. BHD.**  
**(SAC)** (405437-H) (A Subsidiary of Supercomal Technologies BHD.)

Lot 171, Jalan PKNK 3/8, Kawasan Perusahaan Sungai Petani,  
08000 Sungai Petani, Kedah D.A., Malaysia

Tel: (60-4) 441-1822 (hunting line) Fax: (60-4) 441-1755

Homepage: [www.supercomal.com.my](http://www.supercomal.com.my)

E-Mail: [sales@supercomal.com.my](mailto:sales@supercomal.com.my)

Designer: Jerry Shiue



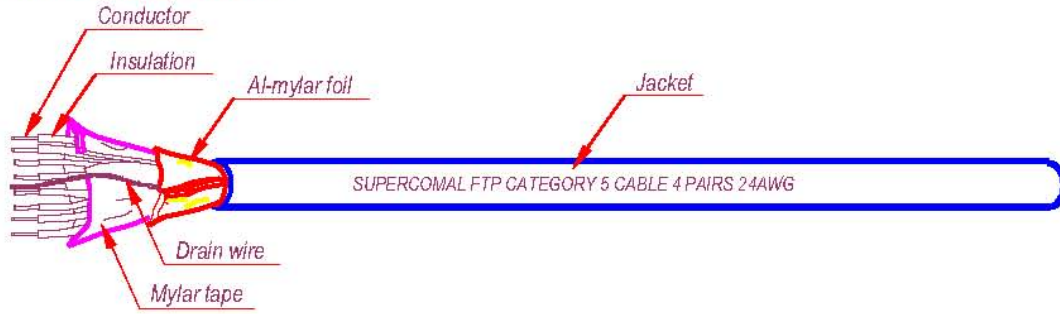
# Category 5 & 5 Enhanced

(with 25, 50, 75, 100 pairs)

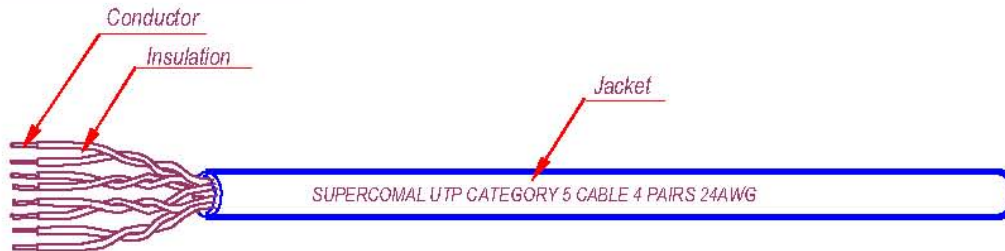


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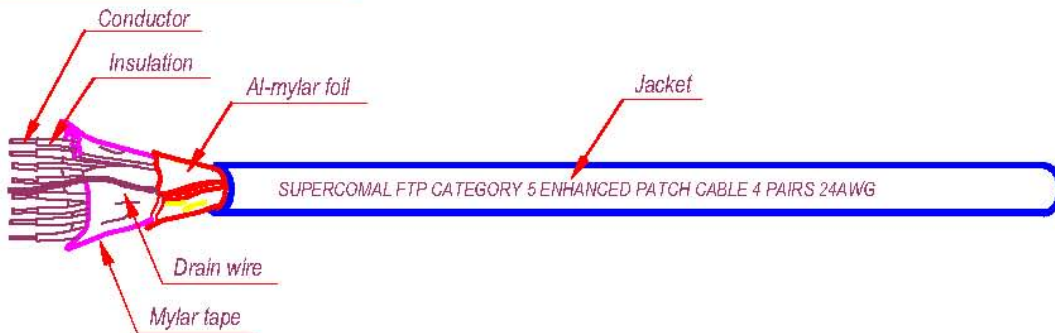
## Foiled Twisted Pair (FTP) Cable



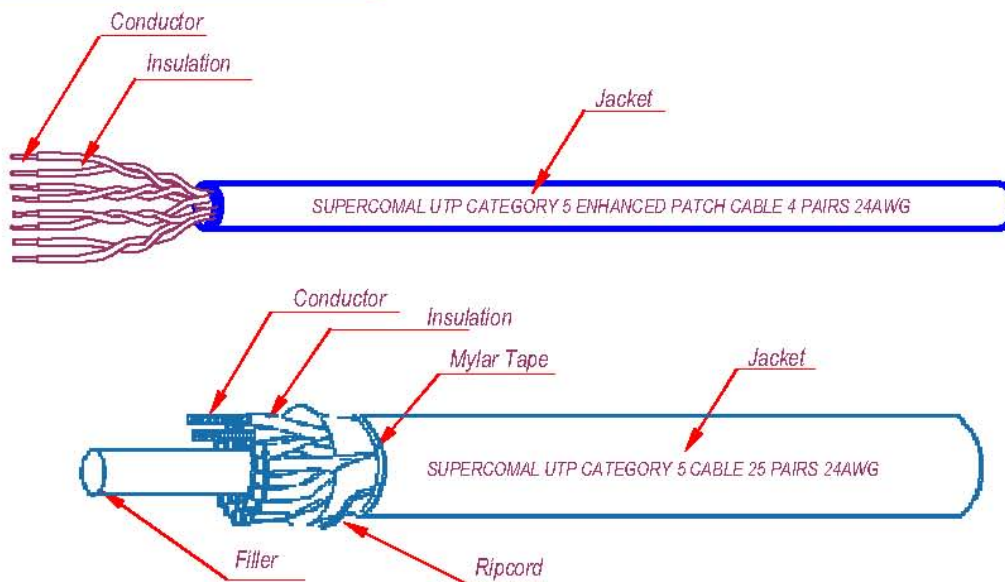
## Unshielded Twisted Pair (UTP) Cable



## Foiled Twisted Pair (FTP) Patch Cable



## Unshielded Twisted Pair (UTP) Patch Cable



## Features :

- 24AWG Stranded bare annealed conductor
- Solid Polyethylene Insulated.
- Twisted pairs
  - Pair 1 : Blue + White/Blue
  - Pair 2 : Orange + White/Orange
  - Pair 3 : Green + White/Green
  - Pair 4 : Brown + White/Brown
- 5.20mm PVC / LSZH-FR Compound jacketed.
- Colour-coded jacketed.
- Rating temperature : -20°C to +80°C
- Cadmium & Lead Free ( < 5ppm )
- 305m per Box

## Application :

- For voice, data, video and low voltage control
- It fits in all LAN topologies including horizontal and vertical distribution, plenum and riser.

### Category 5 Enhanced Unshielded Twisted Pair (UTP) Patch Cable

Testing Standard (TIA/EIA-568-B.2) \*\* 100 meter at 20°C \*\*

Test Items \ MHZ	0.772	1	4	8	10	16	20	25	31.25	62.5	100
Impedance	100 ± 10 Ω										
Structural Return Loss (dB min.)	-	23	23	23	23	23	23	22	21	18	16
Attenuation (dB max.)	2.2	2.4	4.9	7.0	7.8	9.8	11.1	12.5	14.0	20.4	26.4
Delay (ns max.)	-	570	-	-	545	-	-	-	-	-	538
Skew (ns max.)	-	45	-	-	45	-	-	-	-	-	45
Near End Crosstalk (dB min.)	67	65.3	56.3	51.8	50.3	47.3	45.8	44.3	42.9	36.4	35.3
PSNEXT (dB min.)	64	62.3	53.3	48.8	47.3	44.4	42.8	41.3	39.9	35.4	32.3
ELFEXT (dB min.)	66	63.8	51.7	45.7	43.8	39.7	37.7	35.8	33.9	27.8	23.8
PSELFEXT (dB min.)	63	60.8	48.7	42.7	40.7	36.7	34.7	32.8	30.9	24.6	20.8

Remark : 1. Under UL Subject 444, the minimum thickness for insulation is 0.178mm (average) and 0.152mm (at any point). While, for the jacket is 0.508mm (average) and 0.406mm(at any point).

2. If you have special technical requirements, please inform us. Meet and exceed customer expectation is our commitment.

### Category 5 Enhanced Unshielded Twisted Pair (UTP) Cable

Testing Standard (TIA/EIA-568-B.2) \*\* 100 meter at 20°C \*\*

Test Items \ MHZ	0.772	1	4	8	10	16	20	25	31.25	62.5	100
Impedance	100 ± 10 Ω										
Structural Return Loss (dB min.)	-	23	23	23	23	23	23	22	21	18	16
Attenuation (dB max.)	1.8	2.0	4.1	5.8	6.5	8.2	9.3	10.4	11.7	17.0	22.0
Delay (ns max.)	-	570	-	-	545	-	-	-	-	-	538
Skew (ns max.)	-	45	-	-	45	-	-	-	-	-	45
Near End Crosstalk (dB min.)	67	65.3	56.3	51.8	50.3	47.3	45.8	44.3	42.9	38.4	35.3
PSNEXT (dB min.)	64	62.3	53.3	48.8	47.3	44.4	42.8	41.3	39.9	35.4	32.3
ELFEXT (dB min.)	66	63.8	51.7	45.7	43.8	39.7	37.7	35.8	33.9	27.8	23.8
PSELFEXT (dB min.)	63	60.8	48.7	42.7	40.7	36.7	34.7	32.8	30.9	24.6	20.8

Remark : 1. Under UL Subject 444, the minimum thickness for insulation is 0.178mm (average) and 0.152mm (at any point). While, for the jacket is 0.508mm (average) and 0.406mm(at any point).

2. If you have special technical requirements, please inform us. Meet and exceed customer expectation is our commitment.

## **Supercomal Group**

### **Supercomal Advanced Cables SDN. BHD. (SAC)** (405437-H) (A subsidiary of STB)

Lot 171, Jalan PKNK 3/8, Kawasan Perusahaan Sungai Petani,

08000 Sungai Petani, Kedah D.A., Malaysia.

Homepage: [www.supercomal.com.my](http://www.supercomal.com.my)

E-Mail: [sales@supercomal.com.my](mailto:sales@supercomal.com.my)

Designed by: Jerry



# Category 6

Unshielded Twisted Pair (UTP) Cable  
Unshielded Twisted Pair (UTP) Patch Cable



**SUPERCOMAL**

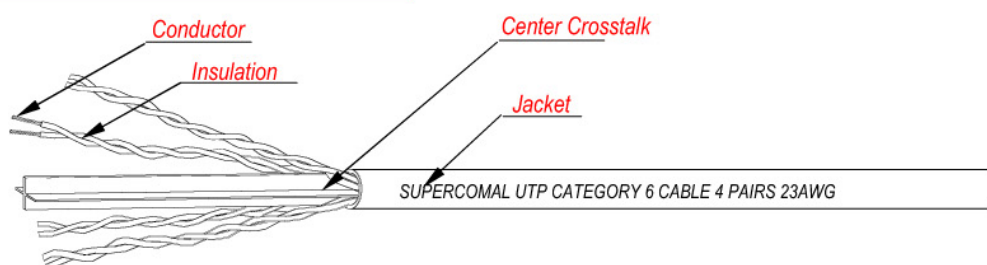
## Features :

- 23AWG Solid bare annealed conductor
- Solid Polyethylene Insulated.
- Twisted pairs
  - Pair 1 : Blue + White/Blue
  - Pair 2 : Orange + White/Orange
  - Pair 3 : Green + White/Green
  - Pair 4 : Brown + White/Brown
- 6.20mm PVC / LSZH-FR Compound jacketed.
- Colour-coded jacketed.
- Operating temperature : -20°C to +80°C
- Cadmium & Lead Free ( < 5ppm )
- 305m per Box

## Application :

- For voice, data, video and low voltage control
- It fits in all LAN topologies including horizontal and vertical distribution, plenum and riser.

## Construction and Characteristics :



Testing Standard (TIA/EIA-568-B.2) \*\* 100 meter at 20°C \*\*

Test Items \ MHZ	1	4	8	10	16	20	25	31.25	62.5	100	200	250
Impedance	100 ± 10 Ω											
Return Loss (dB min.)	20.0	23.0	24.5	25.0	25.0	25.0	24.3	23.6	21.5	20.1	18.0	17.3
Attenuation (dB max.)	2.0	3.8	5.3	6.0	7.6	8.5	9.5	10.7	15.4	19.8	29.0	32.8
Delay (ns max.)	570	-	-	545	-	-	-	-	-	538	-	536
Skew (ns max.)	45	-	-	45	-	-	-	-	-	45	-	45
Near End Crosstalk (dB min.)	74.3	65.3	60.8	59.3	56.2	54.8	53.3	51.9	47.4	44.3	39.8	38.3
PSNEXT (dB min.)	72.3	63.3	58.8	57.3	54.2	52.8	51.3	49.9	45.4	42.3	37.8	36.3
ELFEXT (dB min.)	67.8	55.8	49.7	47.8	43.7	41.8	39.8	37.9	31.9	27.8	21.8	19.8
PSELFEXT (dB min.)	64.8	52.8	46.7	44.8	40.7	38.8	36.8	34.9	28.9	24.8	18.8	16.8
LCL (dB min.)	40.0	40.0	40.0	40.0	38.0	37.0	36.0	35.1	32.0	30.0	27.0	26.0

- Remark :
1. Under UL Subject 444, the minimum thickness for insulation is 0.178mm (average) and 0.152mm (at any point). While, for the jacket is 0.508mm (average) and 0.406mm (at any point).
  2. If you have special technical requirements, please inform us. Meet and exceed customer expectation is our commitment.

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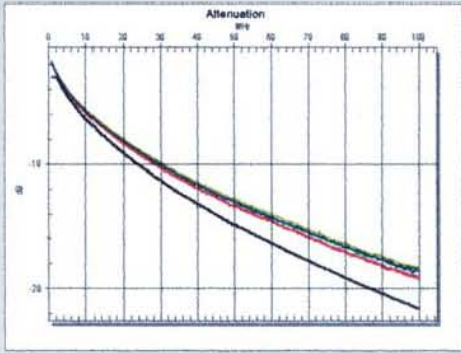
E-Mail: [sales@supercomal.com.my](mailto:sales@supercomal.com.my)

Designed by: Jerry

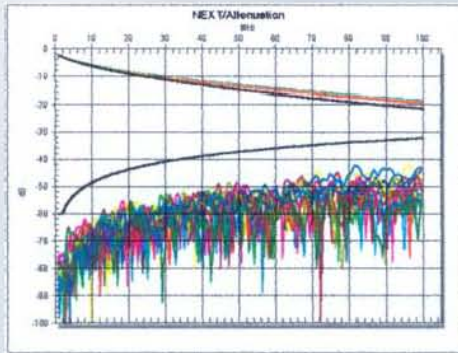


# Category 5E UTP

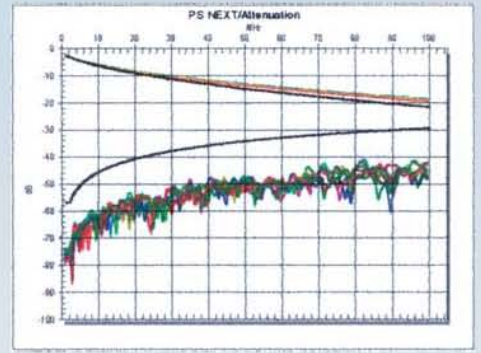
Attenuation



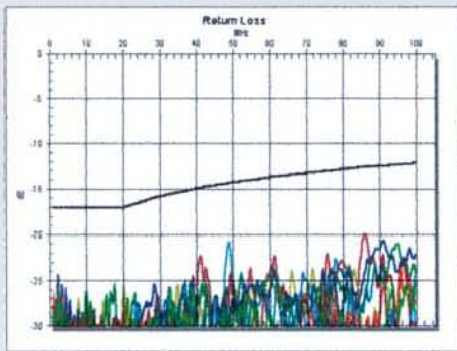
NEXT/Attenuation



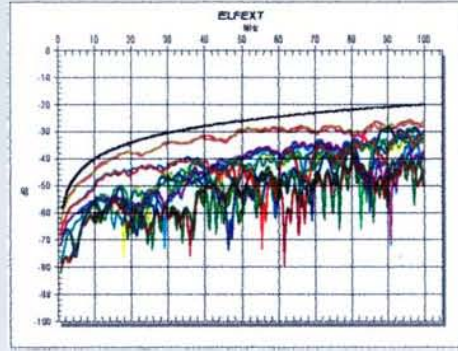
PS NEXT/Attenuation



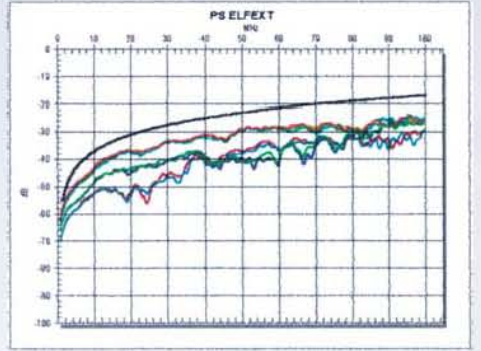
Return Loss



ELFEXT

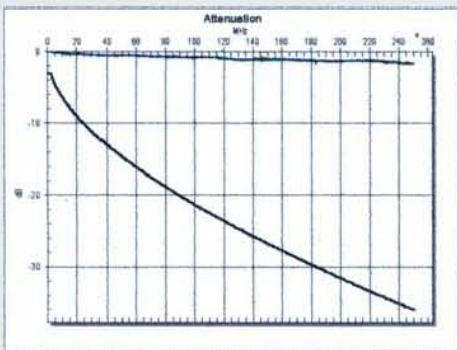


PSELFEXT

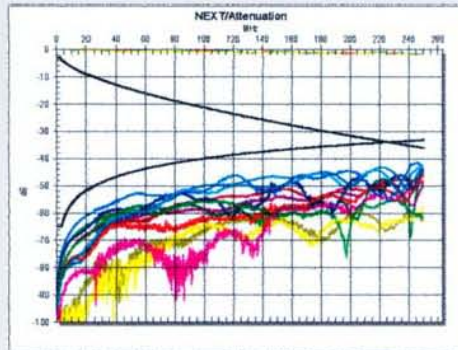


# Category 6 UTP

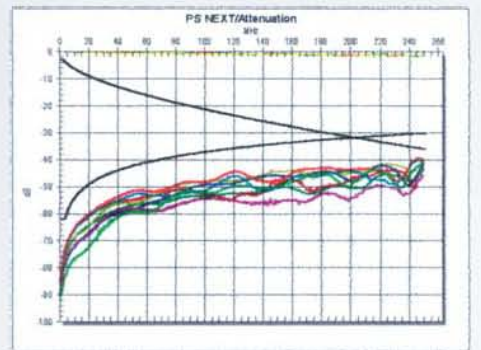
Attenuation



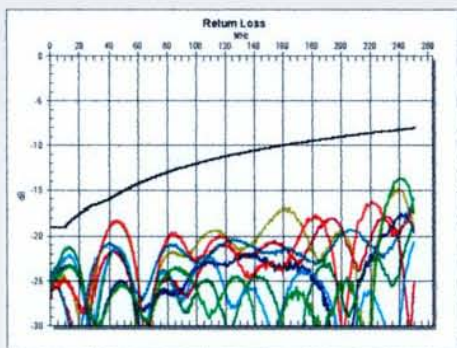
NEXT/Attenuation



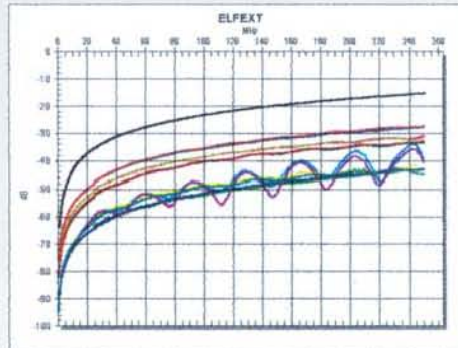
PS NEXT/Attenuation



Return Loss

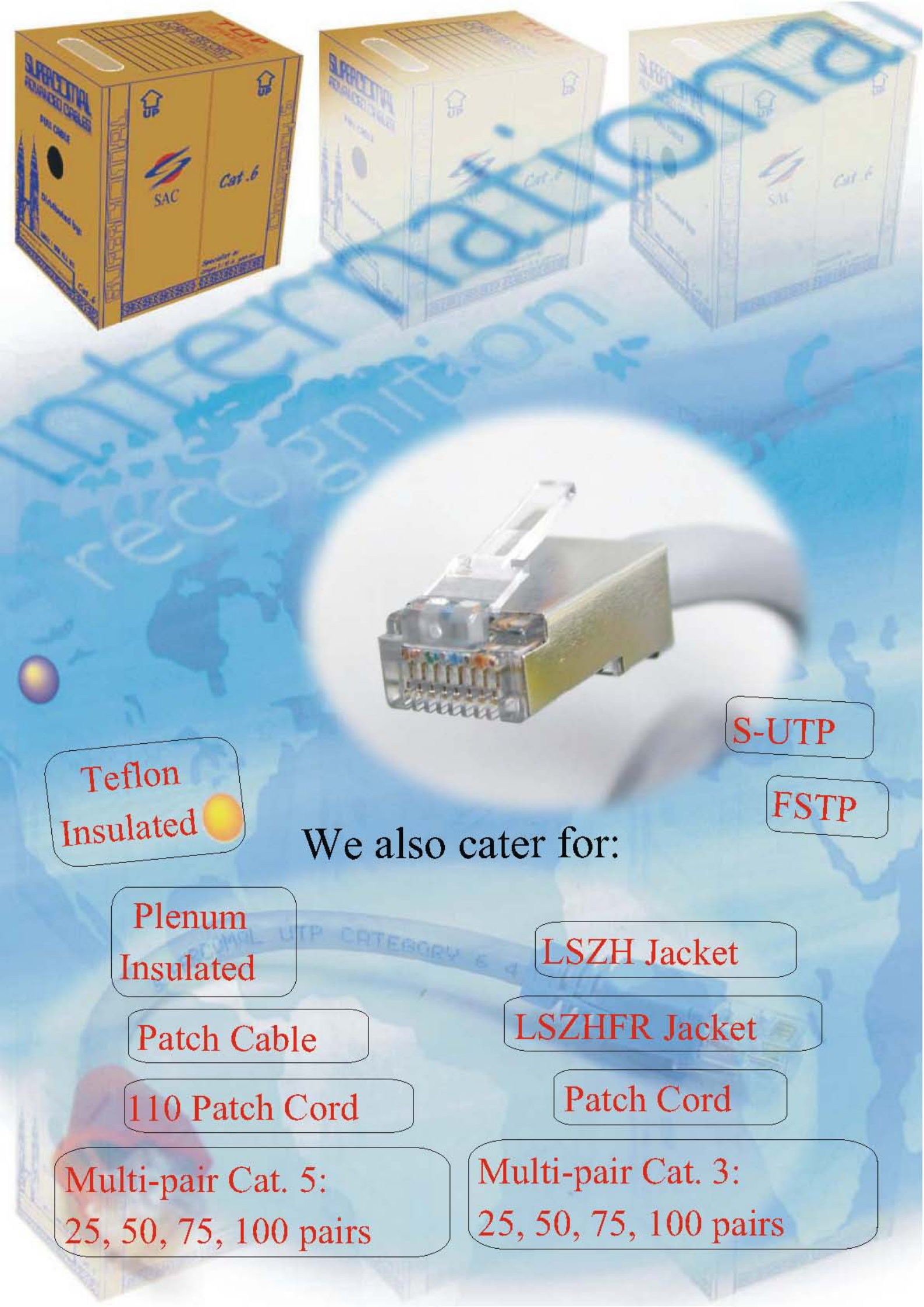


ELFEXT



PSELFEXT





**Teflon  
Insulated**

**S-UTP**

**FSTP**

**We also cater for:**

**Plenum  
Insulated**

**LSZH Jacket**

**Patch Cable**

**LSZHFR Jacket**

**110 Patch Cord**

**Patch Cord**

**Multi-pair Cat. 5:  
25, 50, 75, 100 pairs**

**Multi-pair Cat. 3:  
25, 50, 75, 100 pairs**