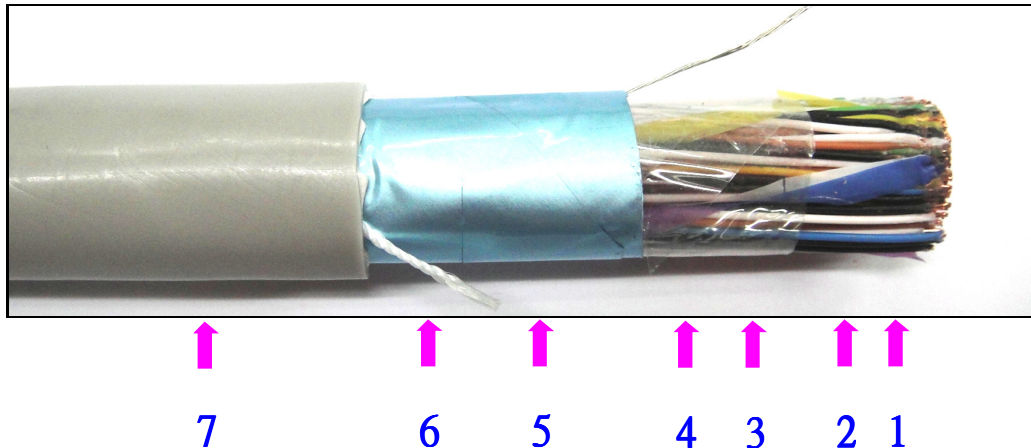


## Indoor cable

**Application :** Use to building inside master backbone telecommunication of the connect. (telephone or inside equipments)

**Construction :**



- ❶ Conductor - Solid annealed copper wire  
Insulation - Polyethylene
- ❷ Twisting – Quad type  
Assembly Color polyester tape binder.
- ❸ Wrapping – Mylar tape
- ❹ Drain wire - Stranded tinned copper wire
- ❺ Shielding - Aluminum-polyester tape
- ❻ Rip-cord - Nylon thread
- ❼ Sheath -PVC

**Property :**

- ◆ To design a site of fire retardant or low smoke non-toxic properties.
- ◆ Provide flexibility and easy to installation.

**Specification :** 0.4mm 、 0.5mm 、 [data sheet](#)

Conductor diameter (mm)	Pairs (P)	Insulation thickness nom. (mm)	Cable core diameter nom. (mm)	Sheath thickness nom. (mm)	Overall diameter (approx.) (mm)	Cable weight (approx.) (kg/km)	Cable length (m)
0.4	6	0.13	4	1.3	7	52	500
	10		5	1.3	8	69	500
	20		6	1.3	9	109	500
	30		7	1.3	10	143	500
	50		10	1.4	13	218	500
	100		14	1.6	17	397	500
	200		18	1.9	22	746	500
	300		23	2.0	27	1076	500
	400		26	2.3	31	1427	500
	600		31	2.4	36	2061	500
0.5	6	0.15	5	1.3	8	67	500
	10		6	1.3	9	90	500
	20		7	1.3	10	146	500
	30		9	1.3	12	198	500
	50		12	1.4	15	309	500
	100		16	1.6	20	565	500
	200		22	2.0	26	1087	500
	300		27	2.1	31	1577	500
	400		31	2.4	36	2092	500
	600		38	2.5	43	3044	500

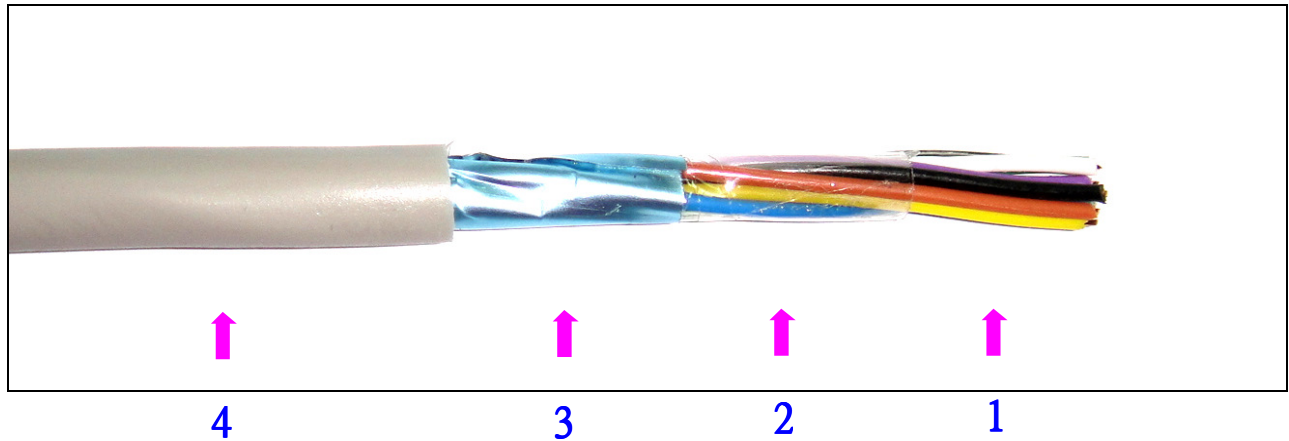
◆ Electrical properties :

Conductor resistance	0.4mm : nom. 139.0Ω/km 、 max. 147.5Ω/km 0.5mm : nom. 88.7Ω/km 、 max. 93.5Ω/km
Dielectric strength	Between each insulation conductor and ground : D.C. 500V/1min., the cable shall be normal.
Insulation resistance	min.5,000MΩ-km
Mutual capacitance	≥ 50P : max. ave. 55nF/km ≤ 30P : max. ave. 60nF/km
Near end cross-talk (40KHz)	200P to 600P, cable length more than 300m : (1) Each unit of the second worse value not less than 58.5dB, among each unit allow one a minimum value not less than 50dB. (2) Each reel cable all unit of the minimum value of average not less than 62dB. (3) Each reel total average not less than 66dB. < 100P, cable length more than 300m : (1) Each reel of the minimum value not less than 58.5dB. (2) Each reel total average not less than 66dB.
Far end cross-talk (160KHz)	(1) $m-1.28 \times S \geq 55\text{dB/km}$ . (2) individual minimum value not less than 38dB/km m : average , S : standard deviation

## Indoor digital cable

**Application :** Be applicable to building inside of the telecommunication with socket connect, so be use as digital and analog signal transmission.

**Construction :**



- ❶ Conductor - Solid annealed copper wire  
Insulation - Polyethylene
- ❷ Wrapping – polyester tape
- ❸ Shielding - Aluminum-polyester tape
- ❹ Sheath – PVC

**Property :**

- ◆ It features by fire retardant.
- ◆ Provide flexibility and easy to installation.

**Specification :** 0.5mm 、 0.65mm 、 [data sheet](#)

Conductor diameter (mm)	Pairs (P)	Cable core diameter nom. (mm)	Sheath thickness nom. (mm)	Overall diameter (approx.) (mm)
0.5	1	3.1	0.6	4.4
	2	3.9	0.6	5.2
	3	4.3	0.6	5.6
	4	5.1	0.6	6.4
	5	5.7	0.6	7.0
	6	6.3	0.6	7.6
	7	6.7	0.6	8.0
	8	7.1	0.6	8.3
0.65	1	4.0	0.6	5.3
	2	5.0	0.6	6.3
	3	5.6	0.6	6.9
	4	6.6	0.6	7.9
	5	7.4	0.6	8.7
	6	8.1	0.6	9.5
	7	8.6	0.6	9.9
	8	9.2	0.6	10.4

◆ Electrical properties :

Conductor resistance

Conductor diameter (mm)	Nominal ( $\Omega$ /km)	Maximum ( $\Omega$ /km)
0.5	88.7	93.5
0.65	52.5	56.5

Insulation resistance : min.5,000M $\Omega$ -km

Dielectric strength : 350V/1min. (R.M.S), the cable shall be normal.

Mutual capacitance : max.50nF/km.

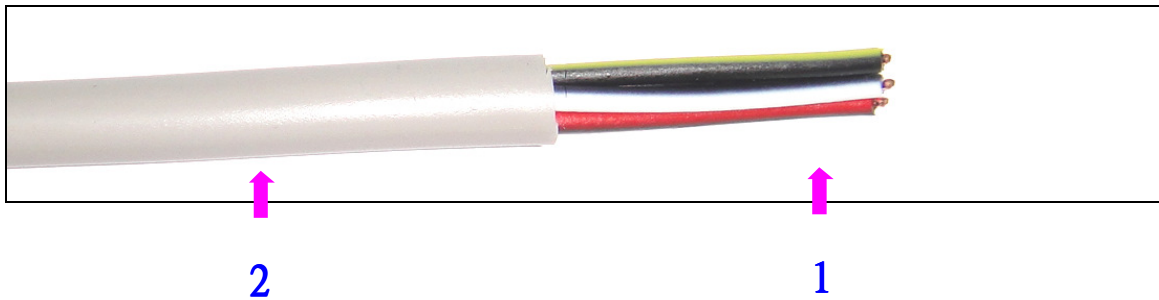
Near end cross-talk (96KHz) : cable length more than 300m, individual minimum value not less than 58dB/km (1P expect).

Far end cross-talk (96KHz) : individual minimum value not less than 45dB/km (1P expect).

## Lead-in cable

**Application :** Be applicable to underground connect terminal box or customer public security implement and telephone between introduce wire.( but hanging span do not than 2 meters)

**Construction :**



- ❶ Conductor - Solid annealed copper wire  
Insulation - Polyethylene
- ❷ Sheath - PVC

**Property :**

- ◆ It features by fire retardant.
- ◆ Provide flexibility and easy to installation.

**Specification :** 0.5mm 、 0.65mm 、 [data sheet](#)

Conductor diameter mm	Pairs P	Cable core diameter (approx.) mm	Sheath thickness mm	Overall diameter (approx.) mm
0.5	1	2.0	0.5	3.0
0.5	2	2.4	0.5	3.4
0.65	1	2.9	0.6	4.1
0.65	2	3.5	0.6	4.7

◆ Electrical properties :

Conductor resistance

Conductor diameter (mm)	Nominal ( $\Omega$ /km)	Maximum ( $\Omega$ /km)
0.5	88.7	93.5
0.65	52.5	56.5

Insulation resistance : min. 2000M $\Omega$ -km

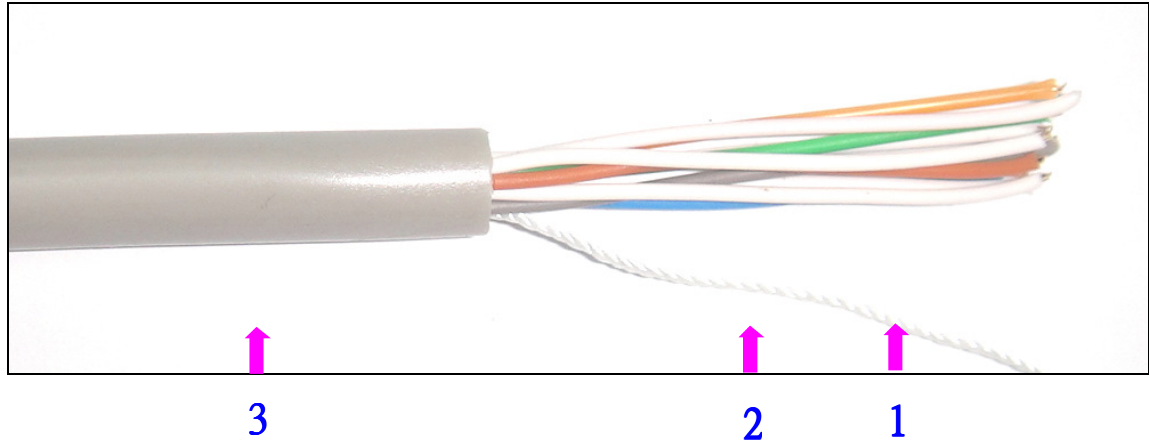
Dielectric strength : 2000V/1min. (R.M.S), the cable shall be normal.

Mutual capacitance : max. 50nF/km.

## Switch board cable

**Application :** Be applicable to indoor telephone of the connect.

**Construction :**



- ❶ Conductor - Solid annealed copper wire  
Insulation - PVC
- ❷ Rip-cord - Nylon thread
- ❸ Sheath - PVC

**Property :**

- ◆ It features by fire retardant.
- ◆ Provide flexibility and easy to installation.

**Specification :** 0.5mm 、 0.65mm 、 [data sheet](#)

Conductor diameter (mm)	Pairs (P)	Cable core diameter nom. (mm)	Sheath thickness nom. (mm)	Overall diameter (approx.) (mm)
0.5	2	2.2	1.0	4.5
	3	3.1	1.0	5.4
	5	4.1	1.0	6.4
	7	5.2	1.0	7.5
	10	5.4	1.0	7.7
	15	6.9	1.0	9.2
	20	8.1	1.0	10.4
	25	8.8	1.0	11.1
	30	9.5	1.0	11.8
	40	11.6	1.0	13.6
	50	12.5	1.0	14.5
	75	15.1	1.1	17.3
	100	16.8	1.3	19.4
	150	21.2	1.5	24.2
	200	24.5	1.6	27.7
	0.65	2	3.6	1.0
3		4.0	1.0	6.3
5		5.3	1.0	7.6
7		6.2	1.0	8.5
10		7.2	1.0	9.5
15		8.7	1.0	11.0
20		10.2	1.0	12.2
25		11.3	1.0	13.3
30		12.3	1.0	14.3
40		14.2	1.0	16.2
50		15.9	1.2	18.3
75		19.2	1.3	21.8
100		22.5	1.5	25.5
150		27.1	1.7	30.5
200	31.4	1.8	35.0	

◆ Electrical properties :

Conductor resistance

Conductor diameter (mm)	Nominal ( $\Omega$ /km)	Maximum ( $\Omega$ /km)
0.5	88.7	93.5
0.65	52.5	56.5

Insulation resistance : min. 50M $\Omega$ -km

Dielectric strength : 350V/1min. (R.M.S), the cable shall be normal.

Mutual capacitance : max.150nF/km.