

Cat.5e Twist-pair Network Cable



PE/PVC

Characteristics

Rated Temperature:

*60°C,75°C

Product Description:

*Conductor:

Solid or Stranded Bare Copper

*Dielectric: Polyethylene

*Rip cord (Optional)

*Shield: Al-foil wrap & tinned copper braided

*Jacket: PVC/PE

*Packing Size: 305m/reel

Reference Standard

* ANSI/TIA/EIA 568B, YD/T838-1997

Application

For **data transmission of telephone,TV and computer data,fire resistant,guard against theft and security system etc.;information network cable of intelligent engineering; Surveillance,CCTV Fixed and PTZ Applications;sound and alarm,audio and speaker,residential, light commercial and institutinal applications,etc.**

Aipu Part No.	Conductor Type	Dielectric		Nos. of pairs	Shield Material	Jacket Thickness(mm)	Diameter (mm)
		Material	Dia.(mm)				
Cat.5e UTP	0.51BC	PE	0.91	4	/	0.5	5.1
Cat.5e FTP	0.53BC	PE	1.0	4	Al Foil	0.5	6.3
Cat.5e STP	0.53BC	PE	1.0	4	Al Foil + TC Braided	0.57	6.6

Coaxial Cable

PE/PVC



Characteristics

Rated Temperature:

*70°C

Voltage Rating:

*30 Volt

Product Description:

*Conductor: Bare Copper

*Dielectric: Polyethylene Foamed or Polyethylene

*Shield: Al-foil wrap, tinned copper braided optional

*Jacket: PVC

Reference Standard

* UL 1655, UL 13, UL 444, UL1424 & UL1581,MIL-C-ITD

Aipu Part No.	Conductor Type	Dielectric		Shield		Jacket Thickness(mm)	Diameter mm
		Material	Dia.(mm)	Material	Coverage		
RG-6/U	Solid CU	Foam PE	4.57	BC	90%	0.80	6.8
RG-11/U	Solid CU	Foam PE	7.11	BC	90%	1.13	10.0
RG-58/U	Solid CU	Polyethylene	2.95	BC	90%	0.81	4.95
RG-59/U	Solid CU	Foam PE	3.71	BC	90%	0.90	6.15
SYV 75-3-1A	Solid CU	Polyethylene	3.0	BC	60%	0.78	5.0
SYV 75-5-1C	Solid CU	Polyethylene	4.8	BC	80%	0.98	7.2
SYV 75-7	Solid CU	Polyethylene	7.25	BC	75%	1.30	10.3
SYV 75-9	Solid CU	Polyethylene	9.0	BC	75%	1.38	12.2
SYWV75-5 (2P)	Solid CU	Foam PE	4.8	Al-foil+TC	40%	0.96	7.2
SYWV75-7 (2P)	Solid CU	Foam PE	7.25	Al-foil+TC	40%	1.25	10.3
SYWV75-9 (4P)	Solid CU	Foam PE	9.0	Al-foil+TC	40%+30%	1.36	12.3
SYWV75-12 (4P)	Solid CU	Foam PE	11.5	Al-foil+TC	40%+30%	1.66	15.1

Application

For wireless communication,RF transmission of **CATV,CCTV**,broadcasting,**analog video,broadband and high frequency electronic instrumentation,CCTV Surveillance, Pan/Tilt/Zoom Control,Communication and Control Cable,Security and Alarm,CCTV Fixed and PTZ Application**

Telephone Cable (HYV)

PP/PVC



Characteristics

Rated Temperature:

* 70°C

Product Description:

*Conductor: Solid or Stranded Bare Copper

*Insulation: Polypropylene

*Jacket: PVC

Reference Standard

* GB11016.3-89 & Q/ILR N1-2004

Application

For telephone cable indoor & outdoor use, Voice System, Paging, Nurse Call System, Commercial Sound & Audio System, Intercom & PA System, Speaker System, etc.

Aipu Part No.	Conductor Construction	Shape	Insulation Diameter(mm)	Jacket Diameter (mm)	Conductor DCR at 20 °C(Ω/km)
HYVR	2*7/0.12	Round	0.9	3.2	247.0
HYVR	4*7/0.12	Round	0.9	3.6	247.0
HYVB	2*1/0.40	Round	0.9	3.2	144.1
HYVB	4*1/0.40	Round	0.9	3.6	144.1
HYVB	2*1/0.50	Round	0.9	3.2	92.3
HYVB	4*1/0.50	Round	0.9	3.6	92.3
HYVR	2*7/0.12	Flat	0.9	2.0*3.4	247.0
HYVR	4*7/0.12	Flat	0.9	2.0*4.8	247.0
HYVB	2*1/0.40	Flat	0.9	2.0*3.4	144.1
HYVB	4*1/0.40	Flat	0.9	2.0*4.8	144.1
HYVB	2*1/0.50	Flat	0.9	2.0*3.4	92.3
HYVB	4*1/0.50	Flat	0.9	2.0*4.8	92.3

Telephone Cable (HYA)



Polyolefin/PE

Characteristics

Working Temperature:

* -30~+60℃

Product Description:

*Conductor: Stranded Bare Copper

*Insulation: Polyolefin

*Shield: Aluminum tape coated with plastic

*Jacket: PE

Reference Standard

* Enterprise Standard

Application

For urban and rural telecommunication wiring, aerial or duct

* **Sound, Audio, Speaker System**

* **Fire Alarm, Access Control System**

* **Security and Alarm Cable**

* **Residential, Light Commercial and Institutional Applications**

* **Addressable System**

Conductor Construction	Shield Thickness(mm)	Jacket Thickness(mm)	Diameter (mm)	Conductor DCR at 20℃(Ω/km)
0.4*2*10	0.2	1.5	8.4	148.0
0.4*2*20	0.2	1.5	10.3	
0.4*2*30	0.2	1.5	11.7	
0.4*2*50	0.2	1.5	13.9	
0.4*2*100	0.2	2.0	19.1	
0.4*2*200	0.2	2.0	25.6	
0.4*2*300	0.2	2.0	30.2	
0.4*2*400	0.2	2.5	35.6	95.0
0.5*2*10	0.2	1.5	9.6	
0.5*2*20	0.2	1.5	11.9	
0.5*2*30	0.2	1.5	13.6	
0.5*2*50	0.2	1.5	16.4	
0.5*2*100	0.2	2.0	22.6	
0.5*2*200	0.2	2.0	30.7	
0.5*2*300	0.2	2.5	37.5	65.8
0.5*2*400	0.2	2.5	43.0	
0.6*2*10	0.2	1.5	10.7	
0.6*2*20	0.2	1.5	13.4	
0.6*2*30	0.2	1.5	15.5	
0.6*2*50	0.2	2.0	19.9	
0.6*2*100	0.2	2.0	26.1	
0.6*2*200	0.2	2.5	36.9	36.8
0.6*2*300	0.2	2.5	43.8	
0.6*2*400	0.2	3.0	51.4	
0.8*2*10	0.2	1.5	12.9	
0.8*2*20	0.2	1.5	16.6	
0.8*2*30	0.2	2.0	20.4	
0.8*2*50	0.2	2.0	24.9	
0.8*2*100	0.2	2.5	35.1	36.8
0.8*2*200	0.2	2.5	47.2	
0.8*2*300	0.2	3.0	57.4	

Control Cable: PVC Insulation & Jacket, Braid Shield (KVVP 450/750V)



PVC/PVC

Characteristics

Rated Temperature:

*70°C

Voltage Rating:

*450/750 Volt AC

Product Description:

*Conductor:

Stranded or Solid, Tinned/Bare Copper

*Insulation: PVC

*Shield:

Bare or Tinned Copper braid

*Jacket: PVC

Reference Standard

* GB9330.2-88

Application

For CCTV, control and telephone circuit protection under 450/750V AC, installed in the conduit, cable channel or indoor-use

* **Pan/Tilt/Zoom Control**

* **CCTV PTZ Applications**

* **Fire Alarm**

* **Access Control**

* **Residential, Light Commercial and Institutional Applications**

* **Speaker Cable, Audio Cable**

* **Security and Alarm Cable**

* **Addressable System**

* **Nurse Call System**

* **Voice System**

* **Paging**

* **Intercom/PA System**

* **Sound/Audio System**

	Cores & Conductor Cross-section (mm ²)	Insulation Thickness(mm)	Diameter for Braid Cu(mm)	Jacknet Thickness(mm)	Average Diameter		Min. Insulation DCR at 70 °C(MΩ/km)
					Min.(mm)	Max.(mm)	
	2×0.75	0.6	0.15	1.2	7.8	9.8	0.014
	2×1.0	0.6	0.15	1.2	8.2	10.5	0.013
	2×1.5	0.7	0.15	1.2	9.2	11.5	0.010
	2×2.5	0.8	0.15	1.2	10.0	12.5	0.009
	2×4	0.8	0.20	1.5	11.5	14.5	0.0077
	2×6	0.8	0.20	1.5	13.0	16.0	0.0065
	2×10	1.0	0.20	1.5	15.5	19.0	0.0065
	3×0.75	0.6	0.15	1.2	8.2	10.5	0.014
	3×1.0	0.6	0.15	1.2	8.6	10.5	0.013
	3×1.5	0.7	0.15	1.2	9.6	12.0	0.010
	3×2.5	0.8	0.15	1.2	10.5	13.5	0.009
	3×4	0.8	0.20	1.5	12.5	15.5	0.0077
	3×6	0.8	0.20	1.5	13.5	17.0	0.0065
	3×10	1.0	0.20	1.5	16.5	20.0	0.0065
	4×0.75	0.6	0.15	1.2	8.8	11.0	0.014
	4×1.0	0.6	0.15	1.2	9.2	11.5	0.013
	4×1.5	0.7	0.15	1.2	10.0	12.5	0.010
	4×2.5	0.8	0.15	1.5	12.5	15.0	0.009
	4×4	0.8	0.20	1.5	13.5	16.5	0.0077
	4×6	0.8	0.20	1.5	15.0	18.0	0.0065
	4×10	1.0	0.20	1.7	18.0	22.0	0.0065
	5×0.75	0.6	0.15	1.2	9.4	11.5	0.014
	5×1.0	0.6	0.15	1.2	9.8	12.0	0.013
	5×1.5	0.7	0.15	1.2	11.0	13.5	0.010
	5×2.5	0.8	0.15	1.5	13.5	16.5	0.009
	5×4	0.8	0.20	1.5	14.5	18.0	0.0077
	5×6	0.8	0.20	1.5	16.0	19.5	0.0065
	5×10	1.0	0.20	1.7	19.5	24.0	0.0065
	7×0.75	0.6	0.15	1.2	10.0	12.5	0.014
	7×1.0	0.6	0.15	1.2	10.5	13.0	0.013
	7×1.5	0.7	0.15	1.5	12.5	15.0	0.010
	7×2.5	0.8	0.15	1.5	14.5	17.5	0.009
	7×4	0.8	0.20	1.5	15.5	19.0	0.0077
	7×6	0.8	0.20	1.5	17.5	21.0	0.0065
	7×10	1.0	0.20	1.7	21.5	26.0	0.0065
	8×0.75	0.6	0.15	1.2	11.0	13.5	0.014
	8×1	0.6	0.15	1.5	12.0	15.0	0.013
	8×1.5	0.7	0.20	1.5	14.0	17.0	0.010
	8×2.5	0.8	0.20	1.5	16.0	19.0	0.009
	8×4	0.8	0.20	1.7	18.0	21.5	0.0077
	8×6	0.8	0.20	1.7	19.5	24.0	0.0065
	8×10	1.0	0.25	1.7	24.0	29.0	0.0065
	10×0.75	0.6	0.20	1.5	13.0	16.0	0.014
	10×1.0	0.6	0.20	1.5	13.5	16.5	0.013
	10×1.5	0.7	0.20	1.5	15.5	18.5	0.010
	10×2.5	0.8	0.20	1.5	17.5	21.5	0.009
	10×4	0.8	0.20	1.7	20.0	24.0	0.0077
	10×6	0.8	0.25	1.7	22.5	27.0	0.0065
	10×10	1.0	0.25	1.7	27.0	32.5	0.0065
	12×0.75	0.6	0.20	1.5	13.0	16.0	0.014
	12×1.0	0.6	0.20	1.5	14.0	17.0	0.013
	12×1.5	0.7	0.20	1.5	16.0	19.0	0.010

Insulation Wire for General Purpose

PVC



Characteristics

Rated Temperature:

*70°C,90°C

Voltage Rating:

*450/750, 300/500 Volt AC

Color Description:

*Color Code: Black/Brown/Red/Orange/
Yellow/Green/Blue/Violet/Gray/White

Product Description:

*Conductor:

Stranded Bare or Tinned Copper

*Insulation: PVC

Reference Standard

* GB5023.3-97, 227 IEC 02 (RV)

450/750, 227 IEC 06(RV) 300/500, 227
IEC 08(RV-90) 300/500

Aipu Part No.	Conductor Cross-section(mm ²)	Insulation Thickness(mm)	Diameter (mm)	Max. Resistance at 20°C(Ω/km)	Min. Insulation DCR at 70°C(MΩ/km)
RV 28/0.15	0.5	0.6	2.6	39.0	0.013
RV 24/0.20	0.75	0.6	2.8	26.0	0.012
RV 32/0.20	1	0.6	3.0	19.5	0.010
RV 48/0.20	1.5	0.7	3.5	13.3	0.009
RV 49/0.25	2.5	0.8	4.2	7.98	0.009
RV 56/0.30	4	0.8	4.8	4.95	0.007
RV 84/0.30	6	0.8	6.3	3.20	0.006
RV 84/0.40	10	1.0	7.6	1.91	0.0056
RV 125/0.40	16	1.0	8.8	1.21	0.0046
RV 195/0.40	25	1.2	11.0	0.780	0.0044
RV 275/0.40	35	1.2	12.5	0.554	0.0038
RV 395/0.40	50	1.4	14.5	0.386	0.0037

Application

For the anti-interference circuit of instruments, electronic equipments, automatic equipments and the power control of the indoor electrical appliances, household electrical appliances and mechanical equipment installation, guard against theft and alarm system, control of multi-core, high-rise building intercom system and the signal transmission used in the engineering of security & protection system for long time.

PVC Insulation & Jacket Flexible Cable (RVV)



PVC/PVC

Characteristics

Rated Temperature:

*70°C

Voltage Rating:

*300/500, 300/300 Volt AC

Product Description:

*Conductor:

Stranded Tinned or Bare Copper

*Insulation: PVC

*Jacket: PVC

Reference Standard

* 227 IEC 53 (RVV), 227 IEC 52 (RVV) - 300/300V, GB5023.5-97, JB8734.5-98

Aipu Part No.	Cores & Conductor Cross-section (mm ²)	Insulation Thickness(mm)	Jacket Thickness(mm)	Average Outer Diameter		Max. Resistance at 20°C(Ω/km)	Min. Insulation DCR at 70°C(MΩ/km)
				Min.(mm)	Max.(mm)		
RVV 2×28/0.15	2×0.5	0.5	0.6	4.8	6.0	39.0	0.012
RVV 2×28/0.15	2×0.5	0.5	0.6	3.0×4.8	3.6×6.0	39.0	0.012
RVV 3×28/0.15	3×0.5	0.5	0.6	5.0	6.2	39.0	0.012
RVV 5×28/0.15	5×0.5	0.5	0.8	6.5	8.3	39.0	0.012
RVV 6×28/0.15	6×0.5	0.5	0.8	7.0	9.0	39.0	0.012
RVV 7×28/0.15	7×0.5	0.5	0.8	7.0	9.0	39.0	0.012
RVV 8×28/0.15	8×0.5	0.5	1.0	7.2	9.3	39.0	0.012
RVV 9×28/0.15	9×0.5	0.5	1.0	7.6	9.7	39.0	0.012
RVV 10×28/0.15	10×0.5	0.5	1.0	8.3	10.6	39.0	0.012
RVV 12×28/0.15	12×0.5	0.5	1.0	9.0	11.5	39.0	0.012
RVV 14×28/0.15	14×0.5	0.5	1.0	9.3	11.8	39.0	0.012
RVV 16×28/0.15	16×0.5	0.5	1.2	9.9	12.7	39.0	0.012
RVV 19×28/0.15	19×0.5	0.5	1.2	10.4	13.3	39.0	0.012

Application

For the anti-interference circuit of instruments, electronic equipments, automatic equipments and the power control of the indoor electrical appliances, household electrical appliances and mechanical equipment installation, guard against theft and alarm system, control of multi-core, high-rise building intercom system and the signal transmission used in the engineering of security & protection system for long time.

Transparent Stereo Cable

PVC



Characteristics

Rated Temperature:

*70°C

Aipu Part No.	Conductor Construction	Insulation		Diameter (mm)		Conductor DCR at 20°C(Ω/km)		Min. Insulation DCR at 70°C(MΩ/km)	
		Material	Dia.(mm)	Min.(mm)	Max.(mm)	BC	TC		
Product Description: *Conductor: Stranded, Bare or Tinned Copper	50 Cores 2*0.5	50/0.11	PVC	1.0	2.4*7.5	3.6*7.6	42.1	46.3	0.013
*Insulation: Transparent PVC	70 Cores 2*0.7	70/0.11	PVC	1.2	3.2*7.0	4.4*8.2	27.1	27.8	0.010
Reference Standard * Q/ILRNI-2004	100 Cores 2*1.0	100/0.11	PVC	1.2	3.5*8.5	5.0*9.7	19.5	20.0	0.010
	150 Cores 2*1.5	150/0.11	PVC	1.2	4.0*8.5	5.1*9.7	12.7	13.2	0.009
	200 Cores 2*1.9	200/0.11	PVC	1.3	4.2*9.8	5.4*10.8	9.0	9.3	0.008
	250 Cores 2*2.4	250/0.11	PVC	1.3	4.8*10.0	6.0*11.2	7.98	8.3	0.008
	300 Cores 2*2.9	300/0.11	PVC	1.3	4.5*10.5	6.3*11.5	7.2	7.56	0.008
	350 Cores 2*3.4	350/0.11	PVC	1.3	5.0*14.0	7.0*17.0	4.61	4.64	0.008

Application

For connection of stereo signal equipments etc.

* **Intercom/PA System**

* **Nurse Call System**

* **Paging**

* **Sound/Audio System**

* **Voice System**

* **Fire Alarm**