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Henan Huanghe Cable Co., Ltd

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Copper Cable



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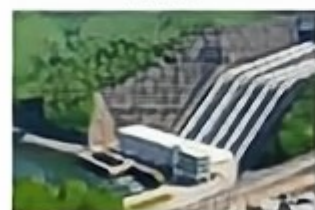
Coal Industry



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Henan Huanghe Cable Co., Ltd

**Your first choice of
City project,
Household,
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System!**

Angela Meskel

Chief Technical Advisor





RG6 SERIES COAXIAL CABLE

Schematic:



Applications: High foaming, low dielectric constant, low capacitance, uniform impedance, high transmission rate, low attenuation constant, good anti-interference performance, good moisture resistance, structural stability, long service life, good flexibility, small bending radius, etc.

DESCRIPTION

- ★ Characteristic Impedance: 75Ω
- ★ Single Solid Bare Copper
- ★ Physical Foaming Polyethylene Insulation
- ★ Aluminum Foil Shield
- ★ Tinned Copper Braid Shield
- ★ Polyvinylchloride Jacket
- ★ Maximum Continuous Operating Temperature Not Higher Than 70°C
- ★ Package: 100M/ Roll, 200M/ Roll, 500M/ Roll

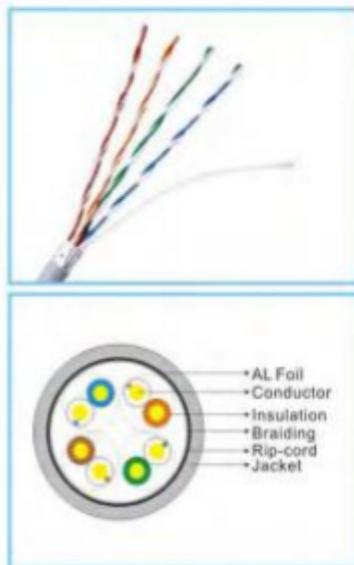
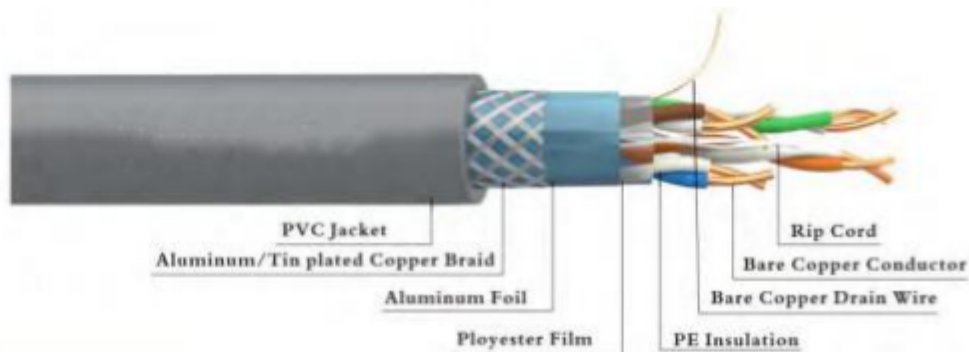
Dimension:

Model / Specification	Inner Conductor Structure NO./mm	Insulation (mm)		Outer Conductor (Braiding Shield)		Jacket	
		Thickness	Outer Diameter	Number Of Braiding	Braid Coverage	Thickness	Sheath Diameter
SYWV75-5(RG6)	1/1.0	1.2	4.6±0.2	64	40%	0.70	7.0±0.3
				96	60%	0.70	7.0±0.3
				128	70%	0.70	7.0±0.3
				144	78%	0.70	7.0±0.3
SYWV75-7(RG11)	1/1.6	2.0	6.7±0.2	96	45%	0.85	9.2±0.3
				128	55%	0.85	9.2±0.3
				144	60%	0.85	9.2±0.3
				176	70%	0.85	9.2±0.3

Electrical Characteristics:

Item	Conductor Dielectric Strength	Insulation Resistance	Jacket Dielectric Strength		Characteristic Impedance	Attenuation Constant	Return Loss	Screening Attenuation
Test Condition	40 - 60Hz, 1min	500V(DC20°C)	40 - 60Hz		2000MHZ			
Unit	KV(Effective Value)	MΩ/KM	KV(Effective Value)		Ω	dB/100m	dB	dB
Model/Standard			Water Immersion Test	Spart Test				
SYWV-75-5	≥1.2	≥5000	≥2.0	≥3.0	75±3.0	5MHZ≤2.2	300MHZ Under Or Equal To ≥20	5MHZ ≥60
						50MHZ≤4.8		50MHZ ≥60
						200MHZ≤9.7		200MHZ ≥70
						550MHZ≤16.8		500MHZ ≥70
						800MHZ≤20.3		800MHZ ≥70
SYWV-75-7	≥1.0	≥5000	≥3.0	≥5.0	75±2.5	1000MHZ≤24.2	300MHZ Over Or Equal To ≥18	1000MHZ ≥70
						5MHZ≤1.5		5MHZ ≥60
						50MHZ≤3.2		50MHZ ≥60
						200MHZ≤6.4		200MHZ ≥70
						550MHZ≤10.7		500MHZ ≥70
						800MHZ≤13.3		800MHZ ≥70
						1000MHZ≤15.1		1000MHZ ≥70

Schematic:



DESCRIPTION:

- ★ Transmission Standards: YD/T1019-2001
- ★ Applications: 10Base-T4, 100Base-TX, 155Mbps ATM
- ★ Characteristic Impedance: $100 \pm 15 \Omega$
- ★ Mutual Capacitance: 47pf/m
- ★ DC Resistance: $\leq 9.38 \Omega / 100m$
- ★ Maximum Capacitance Balancing: 330pf/km
- ★ Maximum Current Balancing (20°C): $\leq 2\%$
- ★ Insulation Resistance: $\geq 5000 M\Omega \cdot km$
- ★ PVC Flame Retardance: In Accordance With IEC 60332-1
- ★ Minimum Bending Radius: 4 Times Cable Diameter
- ★ Maximum Tension: 110N
- ★ Load Voltage: $\leq DC 300V$

Dimension:

Model	Specification	Cable Structure			
		Inner Conductor/mm	Insulation Diameter/mm	Jacket Diameter/mm	Jacket Material / Color
AXT5E-FA5 CAT5E FTP Network Cable	(FTP)4x2x0.5	$\Phi 0.5$	Pe $\Phi 0.93$	$\Phi 5.8$	Flame Retardant PVC/ Grey Color
AXT5E-SFA5 CAT5E SFTP Network Cable	(SFTP)4x2x0.5	$\Phi 0.5$	PE $\Phi 0.93$	$\Phi 6.4$	Flame Retardant PVC/ Grey Color
AXT5E-FA5 Outdoor CAT5E FTP Outdoor Network Cable	(FTP)4x2x0.5	$\Phi 0.5$	PE $\Phi 0.93$	$\Phi 6.8$	PVC+PE Double Jacket/ Black Color
AXT5E-SFA5 Outdoor CAT5E SFTP Outdoor Network Cable	(SFTP)4x2x0.5	$\Phi 0.5$	PE $\Phi 0.93$	$\Phi 7.3$	PVC+PE Double Jacket/ Black Color

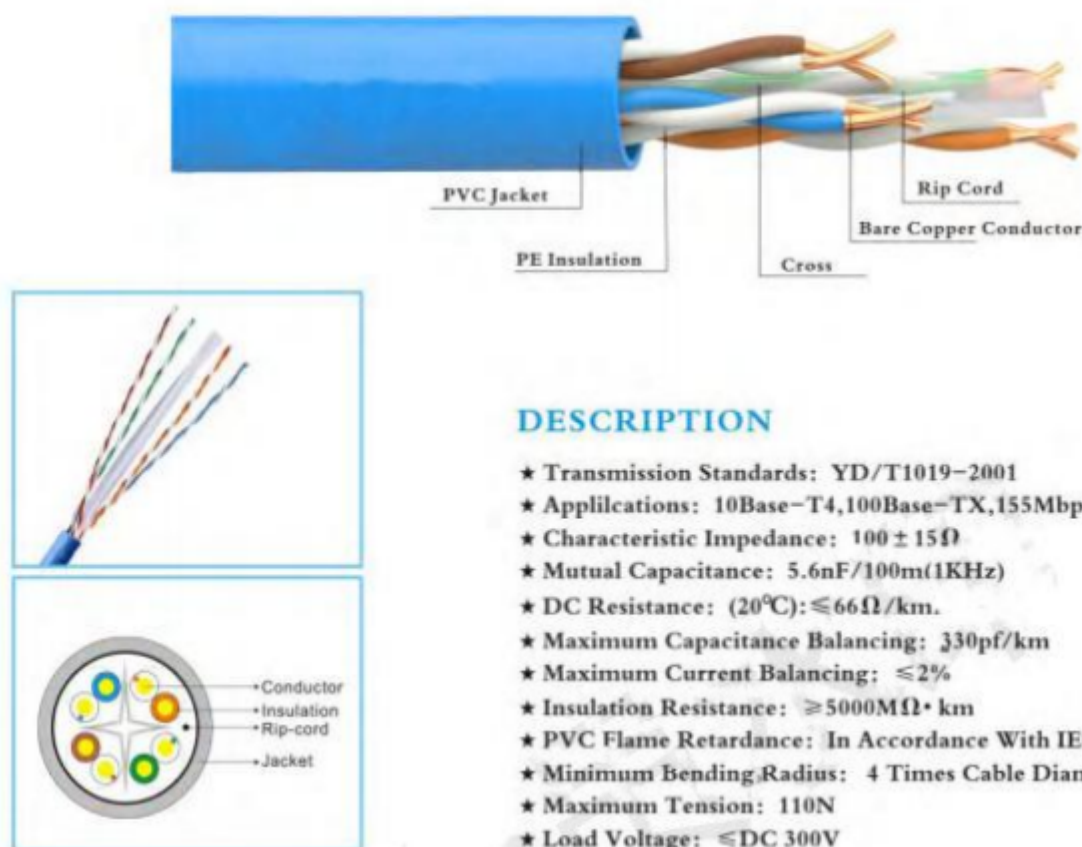
Transmission Characteristics:

Frequency(MHz)	Attenuation(dB/100m)	NEXT(dB)	PSNEXT(μB)	ELFEXT(dB)	PSSELFEXT(dB)	Return Loss(dB)
1.0	≤ 2.0	≥ 65.3	≥ 62.3	≥ 63.8	≥ 60.8	≥ 20.0
4.0	≤ 4.1	≥ 56.3	≥ 53.3	≥ 51.7	≥ 48.7	≥ 23.0
8.0	≤ 5.8	≥ 51.8	≥ 48.8	≥ 45.7	≥ 42.7	≥ 24.5
10.0	≤ 6.5	≥ 50.3	≥ 47.3	≥ 43.8	≥ 40.8	≥ 25.0
20.0	≤ 9.3	≥ 45.8	≥ 42.8	≥ 37.7	≥ 34.7	≥ 25.0
31.25	≤ 11.8	≥ 42.9	≥ 39.9	≥ 33.9	≥ 30.9	≥ 23.6
62.5	≤ 17.1	≥ 38.4	≥ 35.4	≥ 27.8	≥ 24.8	≥ 21.5
100	≤ 22.0	≥ 35.3	≥ 32.3	≥ 23.8	≥ 20.8	≥ 20.1



CAT6 4 PAIRS UTP CABLE

Schematic:



DESCRIPTION

- ★ Transmission Standards: YD/T1019-2001
- ★ Applications: 10Base-T4, 100Base-TX, 155Mbps ATM, 622Mbps ATM
- ★ Characteristic Impedance: $100 \pm 15 \Omega$
- ★ Mutual Capacitance: $5.6 \text{ nF}/100 \text{ m (1KHz)}$
- ★ DC Resistance: (20°C): $\leq 66 \Omega/\text{km}$.
- ★ Maximum Capacitance Balancing: $330 \text{ pf}/\text{km}$
- ★ Maximum Current Balancing: $\leq 2\%$
- ★ Insulation Resistance: $\geq 5000 \text{ M}\Omega \cdot \text{km}$
- ★ PVC Flame Retardance: In Accordance With IEC 60332-1
- ★ Minimum Bending Radius: 4 Times Cable Diameter
- ★ Maximum Tension: 110N
- ★ Load Voltage: $\leq \text{DC } 300 \text{ V}$

Dimension:

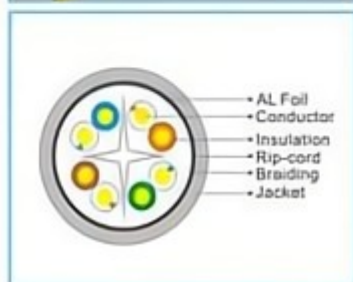
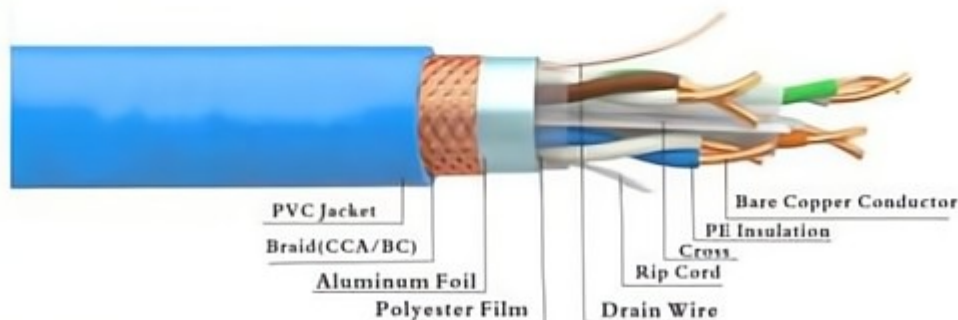
Model	Specification	Cable Structure			
		Inner Conductor	Insulation Diameter	Jacket Diameter	Jacket Material / Color
CAT6 UTP Network Cable Flame Retardant PVC/ Blue Color	(UTP)4x2x0.57	$\Phi 0.57$	PE $\Phi 1.02$	$\Phi 6.2$	Flame Retardant PVC/ Blue Color
CAT6 STP Outdoor Network Cable PVC+PE Double Sheath/ Black Color	(UTP)4x2x0.57	$\Phi 0.57$	PE $\Phi 1.02$	$\Phi 7.2$	PVC+PE Double Sheath/ Black Color

Transmission Characteristics

Frequency	Attenuation	NEXT	PSNEXT	ELFEXT	PSELFEXT	Return Loss
1.0	≤ 2.0	≥ 74.3	≥ 72.3	≥ 68.0	≥ 65.0	≥ 20.0
4.0	≤ 3.8	≥ 65.3	≥ 63.3	≥ 56.0	≥ 53.0	≥ 23.0
8.0	≤ 5.3	≥ 60.8	≥ 58.8	≥ 49.9	≥ 46.9	≥ 24.5
10.0	≤ 6.0	≥ 59.3	≥ 57.3	≥ 48.0	≥ 45.0	≥ 25.0
20.0	≤ 8.5	≥ 54.8	≥ 52.8	≥ 42.0	≥ 39.0	≥ 25.0
62.5	≤ 15.4	≥ 47.4	≥ 45.4	≥ 32.1	≥ 29.1	≥ 21.5
100	≤ 19.8	≥ 44.3	≥ 42.3	≥ 28.0	≥ 25.0	≥ 20.1
150	≤ 24.7	≥ 41.7	≥ 39.7	≥ 24.5	≥ 21.5	≥ 18.9
200	≤ 29.0	≥ 39.8	≥ 37.8	≥ 22.0	≥ 19.0	≥ 18.0
250	≤ 32.8	≥ 38.3	≥ 36.3	≥ 20.0	≥ 17.0	≥ 17.3



Schematic:



DESCRIPTION

- ★ Transmission Standards: YD/T1019-2001
- ★ Applications: 10Base-T4, 100Base-TX, 155Mbps ATM 622Mbps ATM
- ★ Characteristic Impedance: $100 \pm 15 \Omega$
- ★ Mutual Capacitance: $5.6 \text{ pF}/100\text{m}(1\text{KHz})$
- ★ DC Resistance(20°C): $\leq 66 \Omega/\text{km}$
- ★ Maximum Capacitance Balancing: $330 \text{ pF}/\text{km}$
- ★ Maximum Current Balancing: $\leq 2\%$
- ★ Insulation Resistance: $\geq 5000 \text{ M}\Omega \cdot \text{km}$
- ★ PVC Flame Retardance: In Accordance With IEC 60332-1
- ★ Minimum Bending Radius: 4 Times Cable Diameter
- ★ Maximum Tension: 110N
- ★ Load Voltage: $\leq \text{DC } 300\text{V}$

Dimension:

Model	Specification	Cable Structure			
		Inner Conductor	Insulation Diameter	Jacket Diameter	Jacket Material / Color
AXT6-FT2 CAT6 FTP Network Cable	(FTP)4x2x0.58	$\Phi 0.58$	PE $\Phi 1.02$	$\Phi 6.8$	Flame Retardant PVC/ Blue Color
AXT6-SFT2 CAT6 FTP Network Cable	(SFTP)4x2x0.58	$\Phi 0.58$	PE $\Phi 1.02$	$\Phi 7.4$	Flame Retardant PVC/ Blue Color
AXT6-SFT2 Outdoor CAT6 FTP Network Cable	(SFTP)4x2x0.58	$\Phi 0.58$	PE $\Phi 1.02$	$\Phi 9.0$	PVC+PE Double Sheath/ Black Color

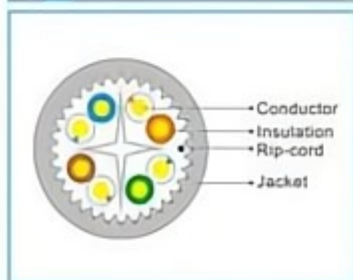
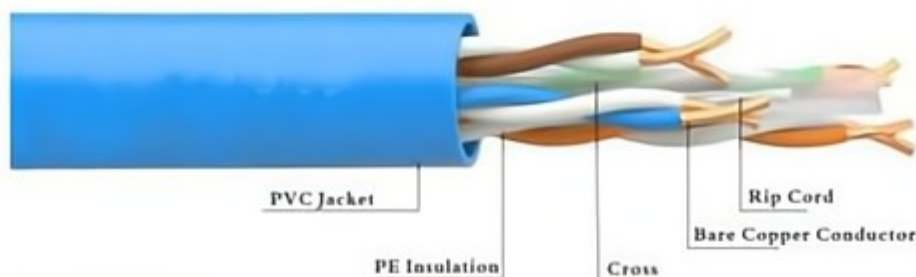
Transmission Characteristics

Frequency(MHz)	Attenuation(dB/100m)	NEXT(dB)	PSNEXT(dB)	ELFEXT(dB)	PSELFEXT(dB)	Return Loss(dB)
1.0	≤ 2.0	≥ 74.3	≥ 72.3	≥ 68.0	≥ 65.0	≥ 20.0
4.0	≤ 3.8	≥ 65.3	≥ 63.3	≥ 56.0	≥ 53.0	≥ 23.0
8.0	≤ 5.3	≥ 60.8	≥ 58.8	≥ 49.9	≥ 46.9	≥ 24.5
10.0	≤ 6.0	≥ 59.3	≥ 57.3	≥ 48.0	≥ 45.0	≥ 25.0
20.0	≤ 8.5	≥ 54.8	≥ 52.8	≥ 42.0	≥ 39.0	≥ 25.0
62.5	≤ 15.4	≥ 47.4	≥ 45.4	≥ 32.1	≥ 29.1	≥ 21.5
100	≤ 19.8	≥ 44.3	≥ 42.3	≥ 28.0	≥ 25.0	≥ 20.1
150	≤ 24.7	≥ 41.7	≥ 39.7	≥ 24.5	≥ 21.5	≥ 18.9
200	≤ 29.0	≥ 39.8	≥ 37.8	≥ 22.0	≥ 19.0	≥ 18.0
250	≤ 32.8	≥ 38.3	≥ 36.3	≥ 20.0	≥ 17.0	≥ 17.3



CAT6A 4 PAIRS UTP CABLE

Schematic:



DESCRIPTION

- ★ Characteristic Impedance: $100 \pm 15 \Omega$
- ★ Mutual Capacitance: $5.6 \text{ nF}/100 \text{ m}(1 \text{ KHz})$
- ★ DC Resistance: $(20^\circ \text{C}): \leq 66 \Omega/\text{km}$
- ★ Maximum Capacitance Balancing: $330 \text{ pf}/\text{km}$
- ★ Maximum Current Balancing: $\leq 2\%$
- ★ Insulation Resistance: $\geq 5000 \text{ M}\Omega \cdot \text{km}$
- ★ PVC Flame Retardance: In Accordance With IEC 60332-1
- ★ Minimum Bending Radius: 4 Times Cable Diameter
- ★ Maximum Tension: 110N
- ★ Load Voltage: $\leq \text{DC } 300 \text{ V}$

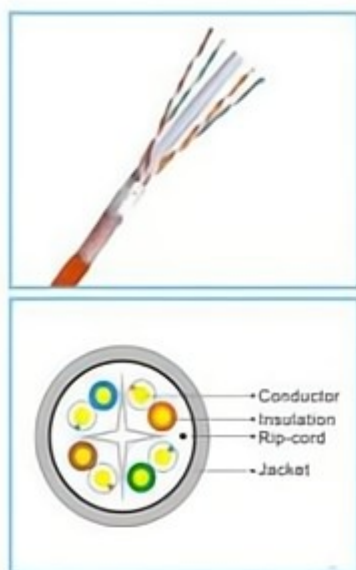
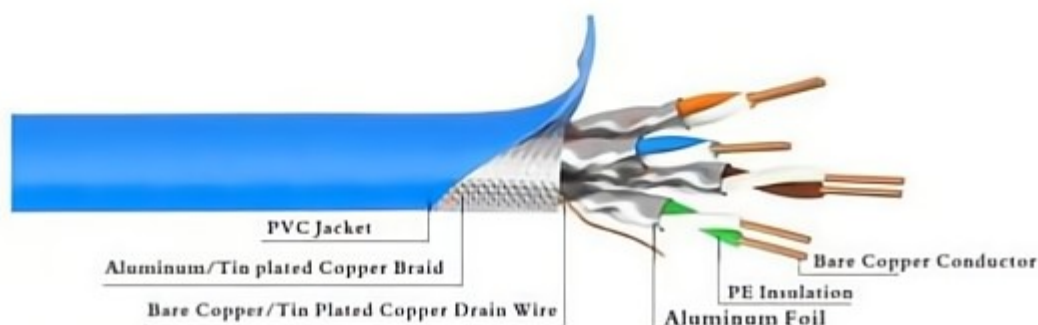
Dimension:

Model	Specification	Cable Structure			
		Inner Conductor	Insulation Diameter	Jacket Diameter	Jacket Material / Color
AXT6A-T3	(UTP)4x2x0.58	$\Phi 0.58$	PE $\Phi 1.05$	$\Phi 7.3$	Flame Retardant PVC Grey/ Blue Color

Transmission Characteristics

Frequency (MHz)	Return Loss ($\geq \text{dB}$)	Attenuation ($\leq \text{dB}$)	NEXT ($\geq \text{dB}$)	Propagation Delay ($\leq \text{ns}$)	PSNEXT ($\geq \text{dB}$)	ELFEXT ($\geq \text{dB}$)	PSELFEXT ($\geq \text{dB}$)
1	20.0	2.1	74.3	570.0	72.3	68.0	65.0
4.0	23.0	3.8	65.3	552.0	63.3	56.0	53.0
8.0	24.5	5.3	60.8	546.7	58.8	49.9	46.9
10.0	25.0	5.9	59.3	545.4	57.3	48.0	45.0
20.0	25.0	8.4	54.8	542.1	52.8	42.0	39.0
62.5	21.5	15.0	47.4	538.6	54.4	32.1	29.1
100	20.1	19.1	44.3	537.6	42.3	28.0	25.0
200	18.0	27.6	39.8	536.5	37.8	22.0	19.0
250	17.3	31.1	38.3	536.3	36.3	20.0	17.0
300	16.8	34.3	37.1	536.1	35.1	18.5	15.5
500	15.2	45.3	33.8	535.6	31.8	14.0	11.0

Schematic:



DESCRIPTION

- ★ Characteristic Impedance: $100 \pm 15\Omega$
- ★ Mutual Capacitance: $5.6\text{nF}/100\text{m}(1\text{KHz})$
- ★ DC Resistance: (20°C): $\leq 66\Omega/\text{km}$
- ★ Maximum Capacitance Balancing: $330\text{pf}/\text{km}$
- ★ Maximum Current Balancing: $\leq 2\%$
- ★ Insulation Resistance: $\geq 5000\text{M}\Omega \cdot \text{km}$
- ★ PVC Flame Retardance: In Accordance With IEC 60332-1
- ★ Minimum Bending Radius: 4 Times Cable Diameter
- ★ Maximum Tension: 110N
- ★ Load Voltage: $\leq \text{DC } 300\text{V}$

Dimension:

Model	Specification	Cable Structure			
		Inner Conductor	Insulation Diameter	Jacket Diameter	Jacket Material / Color
AXT6A-T3-01	(U/FTP)4x2x0.57	$\Phi 0.57$	FPE $\Phi 1.2$	$\Phi 7.5$	Flame Retardant PVC Grey/ Blue Color
AXT6A-T3-02	(F/FTP)4x2x0.57	$\Phi 0.57$	FPE $\Phi 1.2$	$\Phi 7.8$	
AXT6A-T3-03	(S/FTP)4x2x0.57	$\Phi 0.57$	FPE $\Phi 1.2$	$\Phi 7.8$	

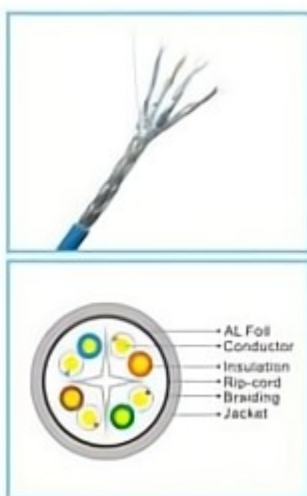
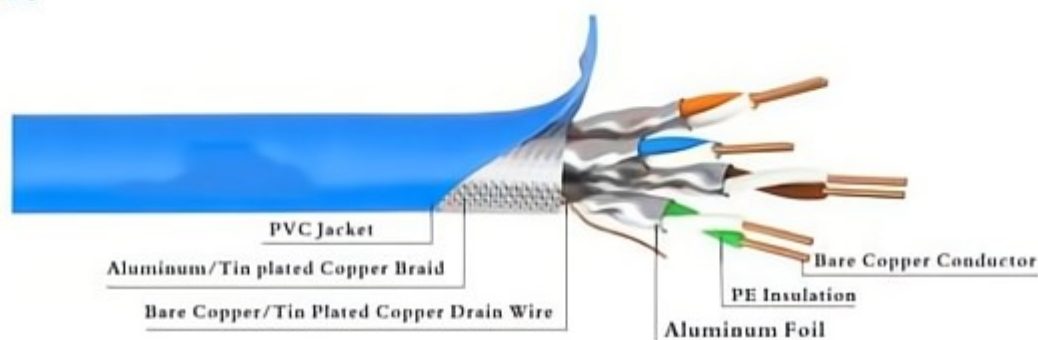
Transmission Characteristics

Frequency (MHz)	Return Loss ($\geq \text{dB}$)	Attenuation ($\leq \text{dB}$)	NEXT ($\geq \text{dB}$)	Propagation Delay ($\leq \text{ns}$)	PSNEXT ($\geq \text{dB}$)	ELFEXT ($\geq \text{dB}$)	PSELFEXT ($\geq \text{dB}$)
1	20.0	2.1	74.3	570.0	72.3	68.0	65.0
4.0	23.0	3.8	65.3	552.0	63.3	56.0	53.0
8.0	24.5	5.3	60.8	546.7	58.8	49.9	46.9
10.0	25.0	5.9	59.3	545.4	57.3	48.0	45.0
20.0	25.0	8.4	54.8	542.1	52.8	42.0	39.0
62.5	21.5	15.0	47.4	538.6	54.4	32.1	29.1
100	20.1	19.1	44.3	537.6	42.3	28.0	25.0
200	18.0	27.6	39.8	536.5	37.8	22.0	19.0
250	17.3	31.1	38.3	536.3	36.3	20.0	17.0
300	16.8	34.3	37.1	536.1	35.1	18.5	15.5
500	15.2	45.3	33.8	535.6	31.8	14.0	11.0



CAT7 4 PAIRS SFTP CABLE

Schematic:



DESCRIPTION

- ★ Transmission Standards: ISO/IEC11801,TIA-568-C2,YD/T1019-2001
- ★ Applications: 100Base-TX,155Mbps ATM,622Mbps ATM
- ★ Characteristic Impedance: $100 \pm 15 \Omega$
- ★ Mutual Capacitance: $5.6nF/100m(1KHz)$
- ★ DC Resistance: $(20^{\circ}C): \leq 66 \Omega/km$
- ★ Maximum Capacitance Balance: $\leq 30pf/km$
- ★ Maximum Current Balancing: $\leq 2\%$
- ★ Insulation Resistance: $\geq 5000M\Omega \cdot km$
- ★ PVC Flame Retardance: In Accordance With IEC 60332-1
- ★ Minimum Bending Radius: 4 Times Cable Diameter
- ★ Maximum Tension: 110N
- ★ Load Voltage: $\leq DC 300V$

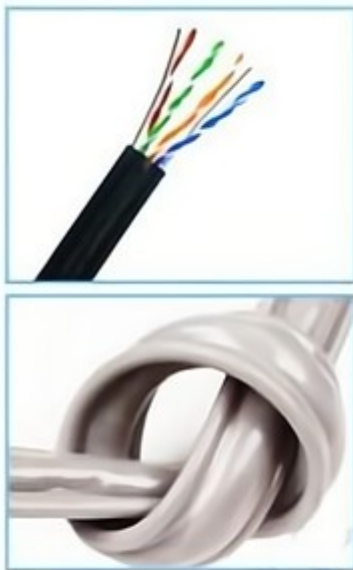
Dimension:

Model	Specification	Cable Structure			
		Inner Conductor	Insulation Diameter	Jacket Diameter	Jacket Material / Color
AXT7-T4-01	(S/FTP)4x2x0.57	$\Phi 0.57$	FPE $\Phi 1.35$	$\Phi 7.5$	Flame Retardant PVC Gray/ Blue Color

Transmission Characteristics

Frequency (MHz)	Return Loss ($\geq dB$)	Attenuation ($\leq dB$)	NEXT ($\geq dB$)	PSNEXT ($\geq dB$)	ELFEXT ($\geq dB$)	PSELFEXT ($\geq dB$)
1	20.0	2.0	78.0	75.0	78.0	75.0
4.0	23.0	3.74	78.0	75.0	78.0	75.0
8.0	24.5	5.24	78.0	75.0	75.9	72.9
10.0	25.0	5.86	78.0	75.0	74.0	71.0
20.0	25.0	8.29	78.0	75.0	68.0	65.0
62.5	21.5	14.88	75.5	72.5	58.1	55.1
100	20.1	19.02	72.4	69.4	54.0	51.0
150	18.9	23.56	69.8	66.8	50.2	47.2
200	18.0	27.47	67.9	64.9	48.0	45.0
250	17.3	30.97	66.4	63.4	46.0	43.0
300	16.8	34.19	65.2	62.2	44.5	41.5
600	14.7	50.10	60.7	57.7	38.4	35.4
1000	13.1	66.93	57.4	54.4	34.0	31.0

Schematic:



Features: Imported tensile material, outer sheath soft PVC, good bending performance, good interference resistance ability

DESCRIPTION

- ★ The conductor uses multi-strand 99.99% high purity, tinned copper or nylon copper wire, which has the characteristics of low resistance, strong bending resistance, easy installation, little signal attenuation, high speed and high transmission rate.
- ★ Insulation using imported high quality PE foam production technology so that the signal attenuation is small, fast transmission and etc.
- ★ Inner braiding shield with 99.99% high purity oxygen-free copper, the use of double copper mesh cross shield can effectively improve the shielding effect, reduce signal attenuation and prevent external signals interference.
- ★ Two automatic lubricated steel wire with anti-oxidation ability, not easy to aging, soft, high bearing capacity and other characteristics.
- ★ Used under the conditions of $-25^{\circ}\text{C} - +70^{\circ}\text{C}$
- ★ High-quality PVC sheath material, with characteristics of wear-resistant, oil, acid and alkali resistance, long life span.

Dimension:

Model / Specification	Insulation Thickness (mm)	Insulation		Outer Conductor (Braid Shield)		Steel Wire
		Thickness (mm)	Outer Diameter (mm)	Braiding No.	Braiding Coverage Kc	
AXTS-5	42/0.12Bare Copper	1.15	4.0 ± 0.2	128Bare Copper	90%	-
AXTS-5-2C	42/0.12Bare Copper	1.15	4.0 ± 0.2	128Bare Copper	90%	2X19X0.2mm
AXTS-5-2-2C	Bare Copper	1.15	4.0 ± 0.2	128Bare Copper	90%	2X19X0.2mm
AXTS-U-2C	7*0.18Bare Copper	0.25	1.0 ± 0.1	-	-	2X19X0.2mm
AXTS-U-T-2C	Bare Copper	0.25	1.0 ± 0.1	-	-	2X19X0.2mm