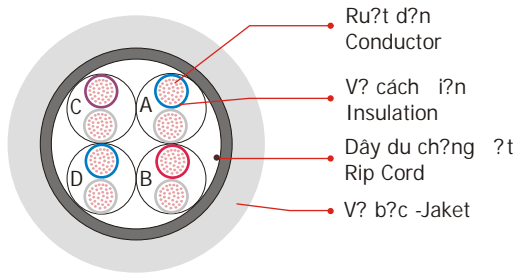


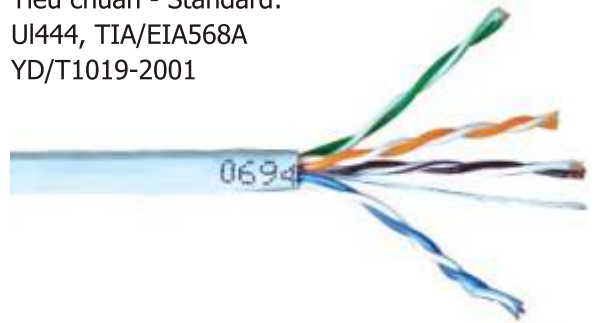
# Dây mạng 4 ruột loại CAT.5 - UTP

## CAT.5 - UTP - 4 Pair Cable

### Kết cấu sản phẩm - Product Structure



Tiêu chuẩn - Standard:  
 UI444, TIA/EIA568A  
 YD/T1019-2001



### Đặc tính điện - Electrical Specifications

Điện trở 1 chiều (Cực đại) DC Resistance (Max.)	W/100m	9.5
Điện trở 1 chiều (ko cân bằng) DC Resistance Imbalance (Average)	%	2.5
Điện dung Working Capacitance (Max.)	nF/100m	5.4
Điện trở cách điện Insulation Resistance	mW.km	10000
Tỷ lệ truyền dẫn Transmission Velocity	%	65

### Đặc tính cơ học - Physical Specification

Loại ruột dẫn Gauge	24AWG
Vỏ cách điện Insulation	HDPE
Số ruột Pairs	4, 8, 16, 24, 25
Vỏ bọc Jaket	PVC(CM, CMR, CMX)
T <sup>o</sup> làm việc Operating T <sup>o</sup> Range	-20~75°C

### Đặc tính truyền dẫn - Transmission Characteristics

Frequency (MHz)	Structural Return Loss(dB)	Attenuation (dB/100m)	Characteristic Impedance (Ω)	NEXT Attenuation (dB)	PSNEXT (dB)	ELFENT Attenuation (dB)	PSELFEXT (dB)	Transmission Delay (ns/100m)
0.772	/	1.8	100±15	64.0	64.0	/	/	/
1.000	23	2.0	100±15	62.3	62.3	61.0	61.0	570.0
4.000	23	4.1	100±15	53.3	53.3	49.0	49.0	552.0
10.000	23	6.5	100±15	47.3	47.3	41.0	41.0	545.4
16.000	23	8.2	100±15	44.2	44.2	36.9	36.9	543.0
20.000	23	9.3	100±15	42.8	42.8	35.0	35.0	542.0
31.250	21	11.7	100±15	39.9	39.9	31.1	31.1	540.4
62.500	18	17.0	100±15	35.4	35.4	25.1	25.1	538.6
100.000	16	22.0	100±15	32.3	32.3	21.0	21.0	537.6

### Hướng dẫn đặt hàng - Ordering Information

Mã đặt hàng - Cat.No	Diễn giải - Description	Dài - Length	Màu dây - Color
CAT5E305CX	Cat5e 4-Pair Cable CMX Rated	305m	Trắng - White
CAT5E305CR	Cat5e 4-Pair Cable CMR Rated	305m	Trắng - White
CAT5E305CM	Cat5e 4-Pair Cable CM Rated	305m	Trắng - White

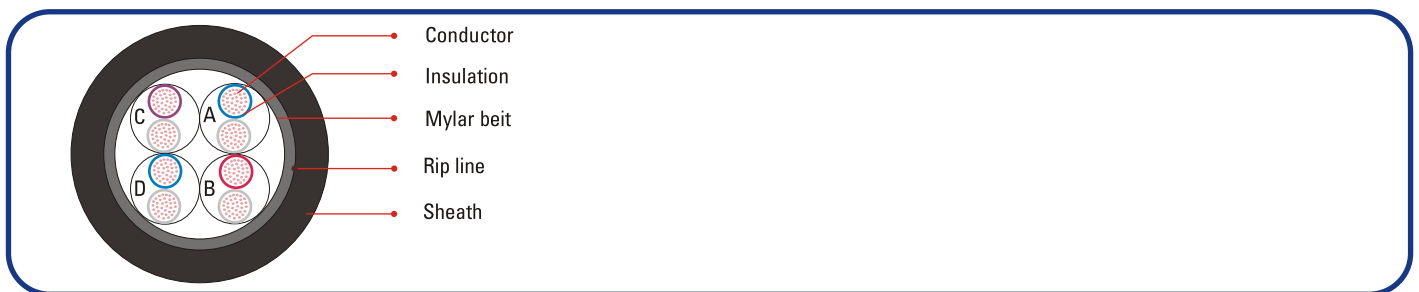
# Outdoor CAT.5e - UTP

## Type & Specification

Standard: UL444, TIA/EIA568A, YD/T1019-2001

Type	AWG	Insulation	Pairs	Jacket	Rated Temperature
CAT. 5e	24	HDPE	4, 8, 16, 24, 25	Pe - Tape + LLDPE	75°C

## Product Structure



## Electrical Properties

DC Resistance (Max.)	$\Omega/100m$	9.5
DC Resistance Imbalance (Average)	%	2.5
Working Capacitance (Max.)	nF/100m	5.4
Insulation Resistance	m $\Omega.km$	10000
Transmission Velocity	%	65

## Transmission Characteristics

Frequency (MHz)	Structural Return Loss(dB)	Attenuation (dB/100m)	Characteristic Impedance ( $\Omega$ )	NEXT Attenuation (dB)	PSNEXT (dB)	ELFENT Attenuation (dB)	PSELFEXT (dB)	Transmission Delay (ns/100m)
0.772	/	1.8	100±15	64.0	64.0	/	/	/
1.000	23	2.0	100±15	62.3	62.3	61.0	61.0	570.0
4.000	23	4.1	100±15	53.3	53.3	49.0	49.0	552.0
10.000	23	6.5	100±15	47.3	47.3	41.0	41.0	545.4
16.000	23	8.2	100±15	44.2	44.2	36.9	36.9	543.0
20.000	23	9.3	100±15	42.8	42.8	35.0	35.0	542.0
31.250	21	11.7	100±15	39.9	39.9	31.1	31.1	540.4
62.500	18	17.0	100±15	35.4	35.4	25.1	25.1	538.6
100.000	16	22.0	100±15	32.3	32.3	21.0	21.0	537.6

# CAT.5e - FTP

## Type & Specification

Standard: UL444, TIA/EIA568A, YD/T1019-2001

Type	AWG	Insulation	Pairs	Jacket	Rated Temperature
CAT. 5e	24	HDPE	4	PVC(CM, CMR, CMP) LOSH	75°C

## Product Structure



## Electrical Properties

DC Resistance (Max.)	$\Omega/100m$	9.5
DC Resistance Imbalance (Average)	%	2.5
Working Capacitance (Max.)	nF/100m	5.4
Insulation Resistance	$m\Omega.km$	10000
Transmission Velocity	%	65

## Transmission Characteristics

Frequency (MHz)	Structural Return Loss(dB)	Attenuation (dB/100m)	Characteristic Impedance ( $\Omega$ )	NEXT Attenuation (dB)	PSNEXT (dB)	ELFEXT Attenuation (dB)	PSELFEXT (dB)	Transmission Delay (ns/100m)	Transfer Impedance ( $m\Omega/m$ )
0.772	/	1.8	100±15	64.0	64.0	/	/	575.0	46
1.000	28.0	2.0	100±15	62.3	62.3	61.0	61.0	570.0	50
4.000	28.0	4.1	100±15	53.3	53.3	49.0	49.0	552.0	69
10.000	28.0	6.5	100±15	47.3	47.3	41.0	41.0	545.4	100
16.000	28.0	8.2	100±15	44.2	44.2	36.9	36.9	543.0	148
20.000	28.0	9.3	100±15	42.8	42.8	35.0	35.0	542.0	172
31.250	26.1	11.7	100±15	39.9	39.9	31.1	31.1	540.4	338
62.500	23.1	17.0	100±15	35.4	35.4	25.1	25.1	538.6	500
100.000	21.0	22.0	100±15	32.3	32.3	21.0	21.0	537.6	----

## CAT.5e - SFTP

### Type & Specification

Standard: UL444, TIA/EIA568A, YD/T1019-2001

Type	AWG	Insulation	Pairs	Jacket	Rated Temperature
CAT. 5e	24	HDPE	4	PVC(CM, CMR, CMP)	75°C

### Product Structure



### Electrical Properties

DC Resistance (Max.)	$\Omega/100m$	9.5
DC Resistance Imbalance (Average)	%	2.5
Working Capacitance (Max.)	nF/100m	5.4
Insulation Resistance	m $\Omega.km$	10000
Transmission Velocity	%	65

### Transmission Characteristics

Frequency (MHz)	Structural Return Loss(dB)	Attenuation (dB/100m)	Characteristic Impedance ( $\Omega$ )	NEXT Attenuation (dB)	PSNEXT (dB)	ELFENT Attenuation (dB)	PSELFEXT (dB)	Transmission Delay (ns/100m)
0.772	/	1.8	/	64.0	64.0	/	/	575.0
1.000	28.0	2.0	100±15	62.3	62.3	61.0	61.0	570.0
4.000	28.0	4.1	100±15	53.3	53.3	49.0	49.0	552.0
10.000	28.0	6.5	100±15	47.3	47.3	41.0	41.0	545.4
16.000	28.0	8.2	100±15	44.2	44.2	36.9	36.9	543.0
20.000	28.0	9.3	100±15	42.8	42.8	35.0	35.0	542.0
31.250	26.1	11.7	100±15	39.9	39.9	31.1	31.1	540.4
62.500	23.1	17.0	100±15	35.4	35.4	25.1	25.1	538.6
100.000	21.0	22.0	100±15	32.3	32.3	21.0	21.0	537.6

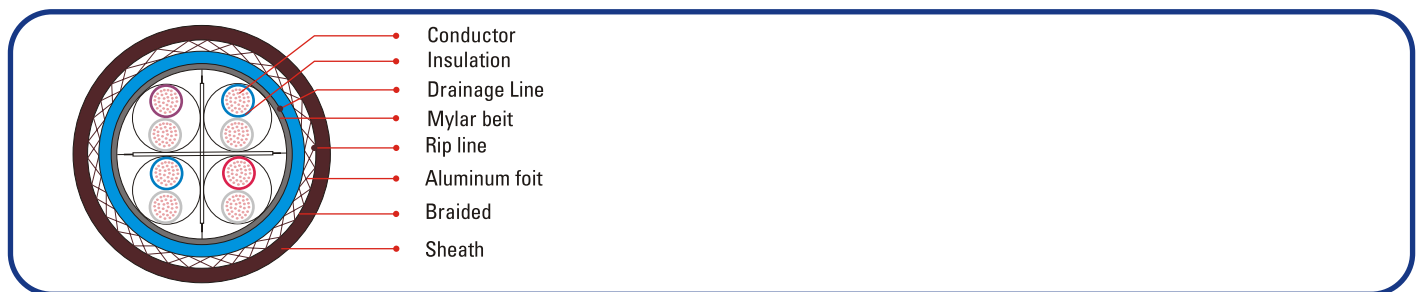
# CAT.6 - SFTP

## Type & Specification

Standard: UL444, TIA/EIA568B.2, YD/T1019-2001

Type	AWG	Insulation	Pairs	Jacket	Rated Temperature
CAT. 6	23	HDPE	4	PVC(CM, CMR, CMP)	75°C

## Product Structure



## Electrical Properties

DC Resistance (Max.)	$\Omega/100m$	9.5
DC Resistance Imbalance (Average)	%	2.5
Working Capacitance (Max.)	nF/100m	5.4
Insulation Resistance	$m\Omega.km$	10000
Transmission Velocity	%	65

## Transmission Characteristics

Frequency (MHz)	Structural Return Loss(dB)	Attenuation (dB/100m)	Characteristic Impedance ( $\Omega$ )	NEXT Attenuation (dB)	PSNEXT (dB)	ELFEXT Attenuation (dB)	PSELFEXT (dB)	Transmission Delay (ns/100m)	Transfer Impedance ( $m\Omega/m$ )
1.00	30.0	1.8	100±15	74.3	62.3	68.0	65.0	570.0	50
4.00	30.0	3.7	100±15	65.3	53.3	56.0	53.0	552.0	69
10.00	30.0	5.9	100±15	59.3	47.3	18.0	45.0	545.4	100
16.00	30.0	7.5	100±15	56.2	44.4	43.9	40.9	543.0	148
20.00	30.0	8.4	100±15	54.8	42.8	42.0	39.0	542.0	172
31.25	28.1	10.6	100±15	51.9	39.9	38.1	35.1	540.4	338
62.50	25.1	15.4	100±15	47.4	35.4	32.1	29.1	538.6	500
100.00	23.0	19.8	100±15	44.3	32.3	28.0	25.0	537.6	----
200.00	20.0	29.0	100±15	39.8	----	22.0	19.0	536.5	----
250.00	19.0	32.8	100±15	38.3	----	20.0	17.0	536.3	----

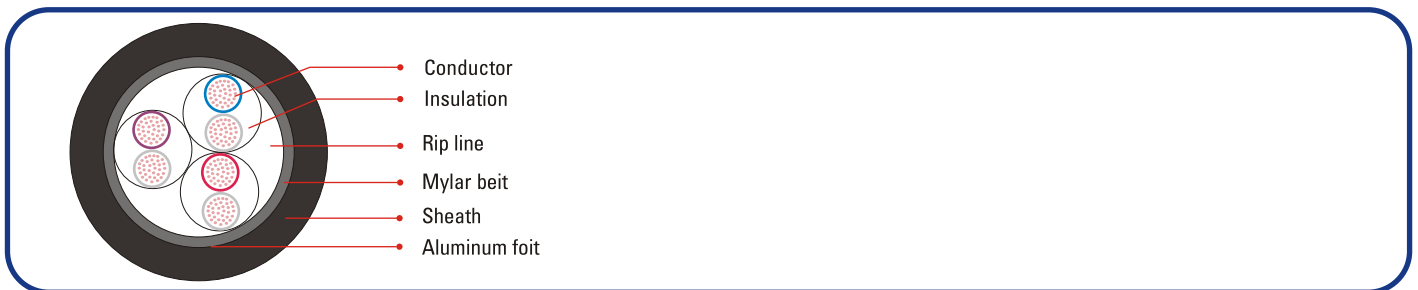
# Indoor Telephone CABLE

## Type & Specification

Standard: UI1581

Type	AWG	Insulation	Pairs	Jacket
Telephone lines	26-19	HDPE	1, 2, 3, 4, 5, 7, 10, 16, 24, 25, 50, 100	PVC

## Product Structure



## Product Description

Rated Temperature	60°C
Standard	UI1185 or YD/T840-1996
Conductor	Stranded bare copper
AWG	26-19AWG
Insulation	HDPE
Line Twisting Involution	Two core parallel lay-up becomes
Pairs	1-100pairs
Jacket	The indoors with line available PVC, the outdoors may include the polyester belt or Aluminum foil isolation with the line to make the protective The indoors make the protective covering with line available PVC, the outdoors may include the polyester belt isolation with the line to make the protective covering and Canada with PE tear the rope.
Use	Office block and plot individual user telephone pronunciation transmission

## Dây điện thoại dùng ngoài trời Outdoor Telephone CABLE

### ■ Chống lòi vụn thủng sẽ kỹ thuật - Type & Specification

Standard: UI1581

Type	AWG	Insulation	Pairs	Jacket
Telephone lines	26-19	HDPE	1, 2, 3, 4, 5, 7, 10, 16, 24, 25, 50, 100	MDPE

### ■ Product Structure



### ■ Product Description

Rated Temperature	60°C
Standard	UI1185 or YD/T840-1996
Conductor	Stranded bare copper
AWG	26-19AWG
Insulation	HDPE
Line Twisting Involution	Two core parallel lay-up becomes
Pairs	1-100pairs
Jacket	The indoors with line available PVC, the outdoors may include the polyester belt isolation with the line to make the protective The indoors make the protective covering with line available PVC, the outdoors may include the polyester belt isolation with the line to make the protective covering and Canada with PE tear the rope.
Use	Office block and plot individual user telephone pronunciation transmission