

# Structure Cabling

## » Patch Cord

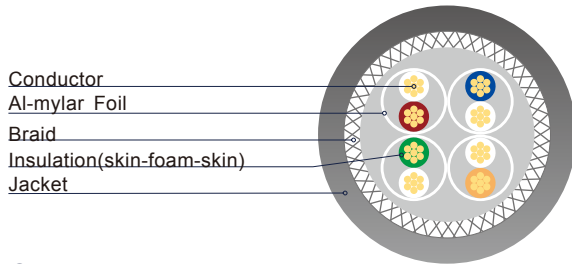
Patch Panel

Jacks & Plugs

Keystone Faceplate & Surface Box

Optic Series

# S/FTP double fully shielded twisted 4 pairs category 6A patch cord

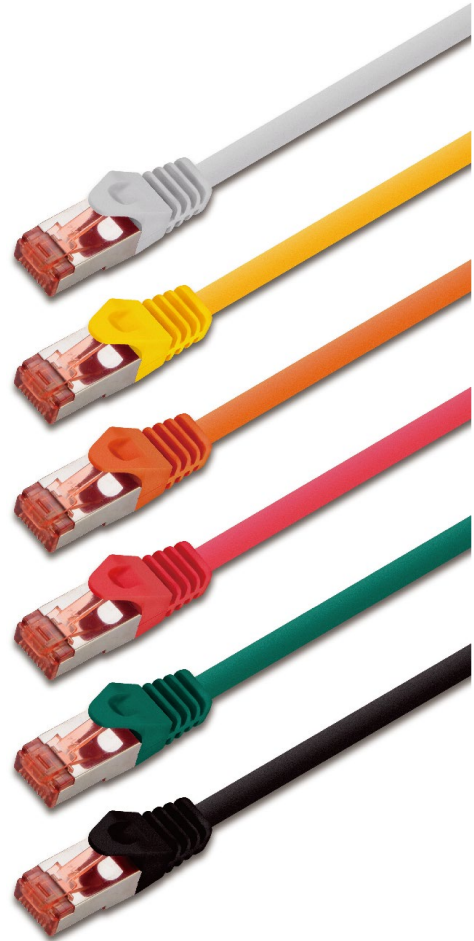


## Standard

- Electrical performance guaranteed to meet or exceed ANSI/TIA-568B Category 6A and ISO/EIC specifications.
- Independently tested and verified intertek(ETL).
- Ideal for Data center architectural requirements.
- Stranded cable for maximum flexibility.
- Available with different plug mold.
- Available with different color of cable.
- Available with different length.

## Conductor

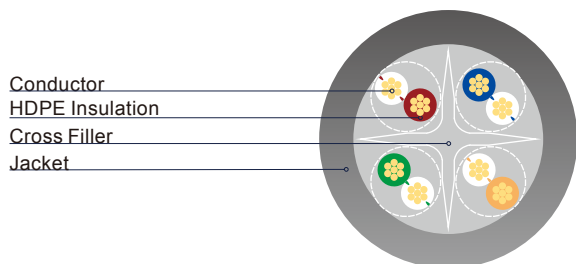
Conductor	standed bare copper 26AWG
Insulation	PE(Foam-Skin)
Total number of insulated conductors	8, twisted in 4 pairs
Color code	blue x white, orange x white, green x white, brown x white
Individual pair shield	aluminum foil, providing 100% coverage, foil face out
Overall shield	Tinned copper braid
Drain wire	None



## Nominal Transmission Characteristics

Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
Ω	Max.	ns	ns	MHz	dB	dB	dB	dB	dB	dB	dB	dB
i	100m	550	50	1	3	65.0	19.0	62.0	63.3	62.0	59.0	60.3
				4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2
				8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2
				10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3
				16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2
				20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2
				25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3
				31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4
				62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3
				100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3
				200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2
				250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3
				350	40.6	30.3	6.6	-10.3	12.4	27.3	-13.3	9.4
500	49.3	26.1	6.0	-23.2	9.3	23.2	-26.1	6.3				

# U/UTP unshielded twisted 4 pairs category 6A patch cord



## Standard

- Electrical performance guaranteed to meet or exceed ANSI/TIA-568B Category 6 and ISO/EIC specifications.
- Independently tested and verified intertek(ETL).
- Ideal for Data center architectural requirements.
- Stranded cable for maximum flexibility.
- Available with different plug mold.
- Available with different color of cable.
- Available with different length.

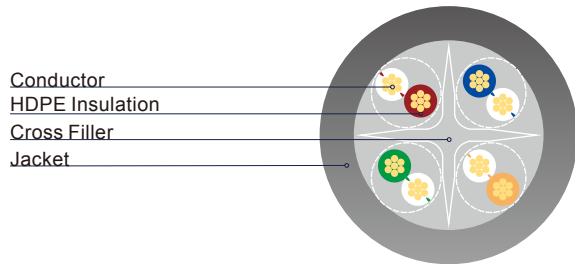
## Conductor

Conductor	Stranded Bare Copper 24AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-Blue/Blue, White-Orange/Orange White-Green/Green, White-Brown/Brown
Individual pair shield	None
Overall shield	None
Drain wire	None

## Nominal Transmission Characteristics

Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
$\Omega$	Max.	ns	ns	MHz	dB	dB	dB	dB	dB	dB	dB	dB
i	100m	550	50	1	3	65.0	19.0	62.0	63.3	62.0	59.0	60.3
				4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2
				8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2
				10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3
				16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2
				20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2
				25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3
				31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4
				62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3
				100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3
				200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2
				250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3
				350	40.6	30.3	6.6	-10.3	12.4	27.3	-13.3	9.4
				500	49.3	26.1	6.0	-23.2	9.3	23.2	-26.1	6.3

# U/UTP unshielded twisted 4 pairs category 6 patch cord



## Standard

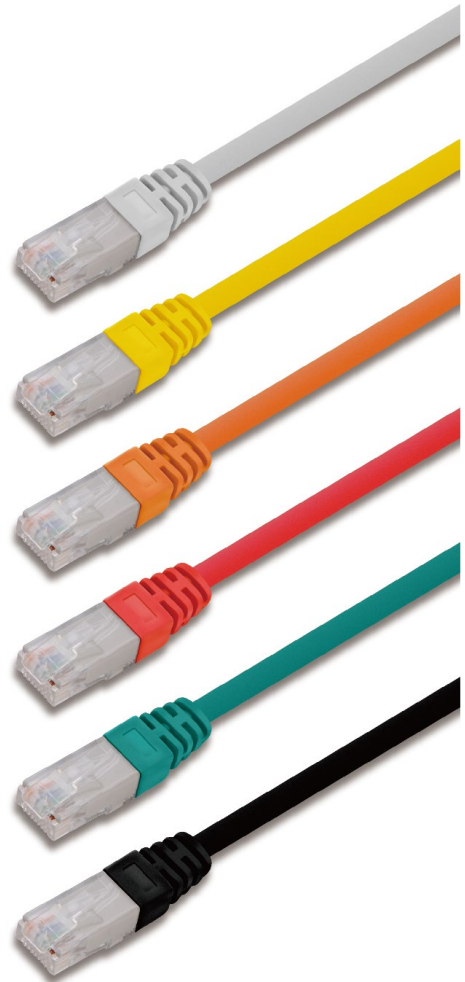
- Electrical performance guaranteed to meet or exceed ANSI/TIA-568B Category 6 and ISO/EIC specifications.
- Independently tested and verified intertek(ETL).
- Ideal for Data center architectural requirements.
- Stranded cable for maximum flexibility.
- Available with different plug mold.
- Available with different color of cable.
- Available with different length.

## Conductor

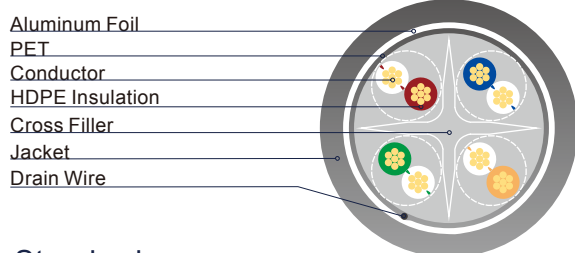
Conductor	Stranded Bare Copper 24AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-Blue/Blue, White-Orange/Orange White-Green/Green, White-Brown/Brown
Individual pair shield	None
Overall shield	None
Drain wire	None

## Nominal Transmission Characteristics

Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
$\Omega$	Max.	ns	ns	MHz	dB	dB	dB	dB	dB	dB	dB	dB
i	100m	555	50	1	3	65.0	19.0	62.0	63.3	62.0	59.0	60.3
				4	4	63.0	19.0	59.0	51.2	60.5	56.5	48.2
				8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2
				10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3
				16	8	53.2	18.0	45.2	39.2	50.6	42.6	36.2
				20	9	51.6	17.5	42.6	37.2	49.0	39.9	34.2
				25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3
				31.25	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4
				62.5	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3
				100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3
				200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2
				250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3



# F/FTP shielded twisted 4 pairs category 6 patch cord



## Standard

- Electrical performance guaranteed to meet or exceed ANSI/TIA-568B Category 6 and ISO/EIC specifications.
- Independently tested and verified intertek(ETL).
- Ideal for Data center architectural requirements.
- Stranded cable for maximum flexibility.
- Available with different plug mold.
- Available with different color of cable.
- Available with different length.

## Conductor

Conductor	stranded bare copper 26AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-Blue/Blue, White-Orange/Orange White-Green/Green, White-Brown/Brown
Individual pair shield	None
Overall shield	Aluminum foil, providing 100% coverage, foil face out.
Drain wire	Tinned copper

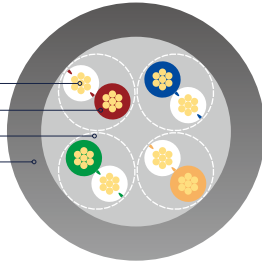
## Nominal Transmission Characteristics

Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
$\Omega$	Max.	ns	ns	MHz	dB	dB	dB	dB	dB	dB	dB	dB
i	100m	555	50	1	3	65.0	19.0	62.0	63.3	62.0	59.0	60.3
				4	4	63.0	19.0	59.0	51.2	60.5	56.5	48.2
				8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2
				10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3
				16	8	53.2	18.0	45.2	39.2	50.6	42.6	36.2
				20	9	51.6	17.5	42.6	37.2	49.0	39.9	34.2
				25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3
				31.25	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4
				62.5	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3
				100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3
				200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2
				250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3

# U/UTP unshielded twisted 4 pairs category 5e patch cord



Copper Conductor  
 HDPE Insulation  
 Pair  
 Jacket



## Standard

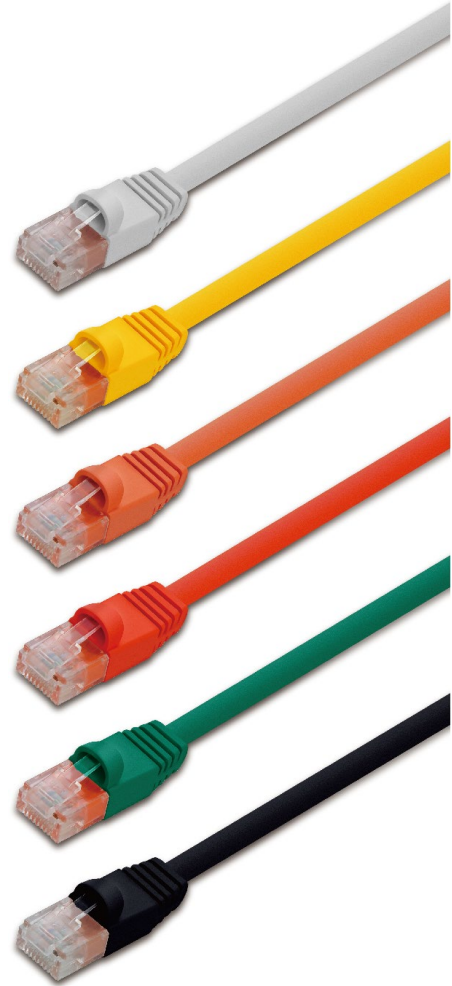
- Electrical performance guaranteed to meet or exceed ANSI/TIA-568B Category 5e and ISO/EIC specifications.
- Independently tested and verified intertek(ETL).
- Ideal for Data center architectural requirements.
- Stranded cable for maximum flexibility.
- Available with different plug mold.
- Available with different color of cable.
- Available with different length.

## Conductor

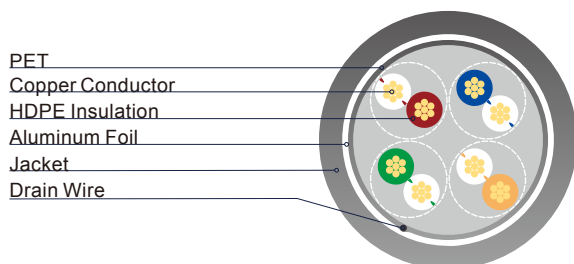
Conductor	stranded bare copper 24AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-Blue/Blue, White-Orange/Orange White-Green/Green, White-Brown/Brown
Individual pair shield	None
Overall shield	None
Drain wire	None

## Nominal Transmission Characteristics

Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
$\Omega$	Max.	ns	ns	MHz	dB	dB	dB	dB	dB	dB	dB	dB
i	100m	555	50	1	3	60.0	17.0	57.0	57.4	57.0	54.0	54.4
				4	4.5	53.5	17.0	49.1	45.4	50.5	46.1	42.4
				8	6.3	48.6	17.0	42.3	39.3	45.6	39.3	36.3
				10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4
				16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3
				20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4
				25	11.4	40.3	16.0	28.9	29.4	37.3	25.9	26.4
				31.25	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5
				62.5	18.6	33.6	12.1	15.0	21.2	30.6	12.0	18.5
				100	24	30.1	10.0	6.1	17.4	27.1	3.1	14.4



# F/UTP shielded twisted 4 pairs category 5e patch cord



## Standard

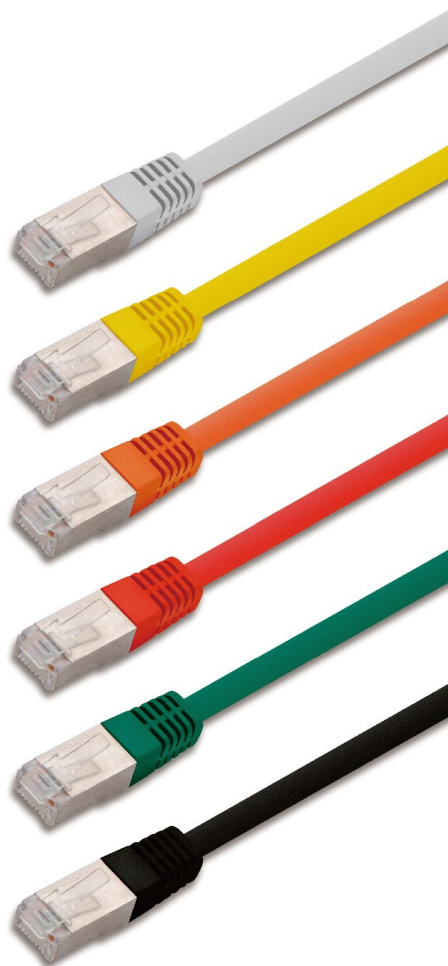
- Electrical performance guaranteed to meet or exceed ANSI/TIA-568B Category 5e and ISO/EIC specifications.
- Independently tested and verified intertek(ETL).
- Ideal for Data center architectural requirements.
- Stranded cable for maximum flexibility.
- Available with different plug mold.
- Available with different color of cable.
- Available with different length.

## Conductor

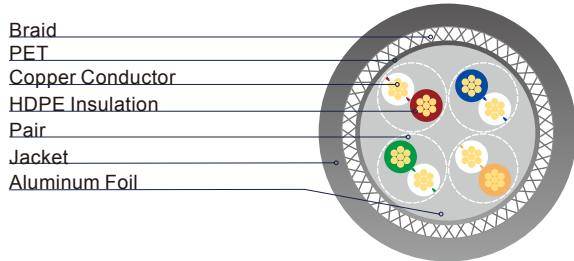
Conductor	stranded bare copper 26AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-Blue/Blue, White-Orange/Orange White-Green/Green, White-Brown/Brown
Individual pair shield	None
Overall shield	Aluminum foil, providing 100% coverage, foil face out.
Drain wire	None

## Nominal Transmission Characteristics

Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
$\Omega$	Max.	ns	ns	MHz	dB	dB	dB	dB	dB	dB	dB	dB
i	100m	555	50	1	3	60.0	17.0	57.0	57.4	57.0	54.0	54.4
				4	4.5	53.5	17.0	49.1	45.4	50.5	46.1	42.4
				8	6.3	48.6	17.0	42.3	39.3	45.6	39.3	36.3
				10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4
				16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3
				20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4
				25	11.4	40.3	16.0	28.9	29.4	37.3	25.9	26.4
				31.25	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5
				62.5	18.6	33.6	12.1	15.0	21.2	30.6	12.0	18.5
				100	24	30.1	10.0	6.1	17.4	27.1	3.1	14.4



# SF/UTP double fully shielded twisted 4 pairs category 5e patch cord



## Standard

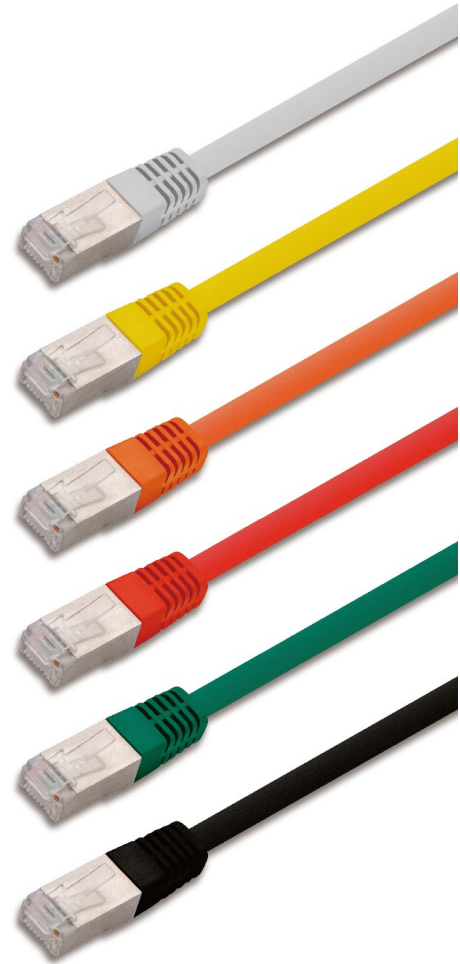
- Electrical performance guaranteed to meet or exceed ANSI/TIA-568B Category 5e and ISO/EIC specifications.
- Independently tested and verified intertek(ETL).
- Ideal for Data center architectural requirements.
- Stranded cable for maximum flexibility.
- Available with different plug mold.
- Available with different color of cable.
- Available with different length.

## Conductor

Conductor	stranded bard copper 26AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-Blue/Blue, White-Orange/Orange White-Green/Green, White-Brown/Brown
Individual pair shield	None
Overall shield	Aluminum foil, providing 100% coverage, foil face out.
Drain wire	None

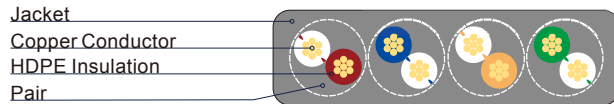
## Nominal Transmission Characteristics

Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
Ω	Max.	ns	ns	MHz	dB	dB	dB	dB	dB	dB	dB	dB
i	100m	555	50	1	3	60.0	17.0	57.0	57.4	57.0	54.0	54.4
				4	4.5	53.5	17.0	49.1	45.4	50.5	46.1	42.4
				8	6.3	48.6	17.0	42.3	39.3	45.6	39.3	36.3
				10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4
				16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3
				20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4
				25	11.4	40.3	16.0	28.9	29.4	37.3	25.9	26.4
				31.25	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5
				62.5	18.6	33.6	12.1	15.0	21.2	30.6	12.0	18.5
100	24	30.1	10.0	6.1	17.4	27.1	3.1	14.4				





# U/UTP unshielded twisted 4 pairs category 6 flat patch cord



## Standard

- Electrical performance guaranteed to meet or exceed ANSI/TIA-568B Category 6 and ISO/EIC specifications.
- Independently tested and verified intertek(ETL).
- Ideal for Data center architectural requirements.
- Stranded cable for maximum flexibility.
- Available with different plug mold.
- Available with different color of cable.
- Available with different length.

## Conductor

Conductor	stranded bard copper 32AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	blue x white, orange x white, green x white, brown x white
Individual pair shield	None
Overall shield	None
Drain wire	None

## Nominal Transmission Characteristics

Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
$\Omega$	Max.	ns	ns	MHz	dB	dB	dB	dB	dB	dB	dB	dB
i	20m	555	50	1	3	65.0	19.0	62.0	63.3	62.0	59.0	60.3
				4	4	63.0	19.0	59.0	51.2	60.5	56.5	48.2
				8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2
				10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3
				16	8	53.2	18.0	45.2	39.2	50.6	42.6	36.2
				20	9	51.6	17.5	42.6	37.2	49.0	39.9	34.2
				25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3
				31.25	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4
				62.5	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3
				100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3
				200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2
				250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3