

LAN CABLE

CAT 5e

Features

Compliant with:

- ANSI / TIA-568-C.2 5e standards
- ISO / IEC11801 ClassD leve

Application :

- 100Base-TX · 100Base-T · 100VGAnyLAN
- 1000Base-T (GigabitEthernet)
- 1000Base-TX · ATM

Reference Standards

- UL444 · UL1581 · UL1666 · IEC 60332-1
- IEC 60332-3-24 · EN50399

Testing Standards

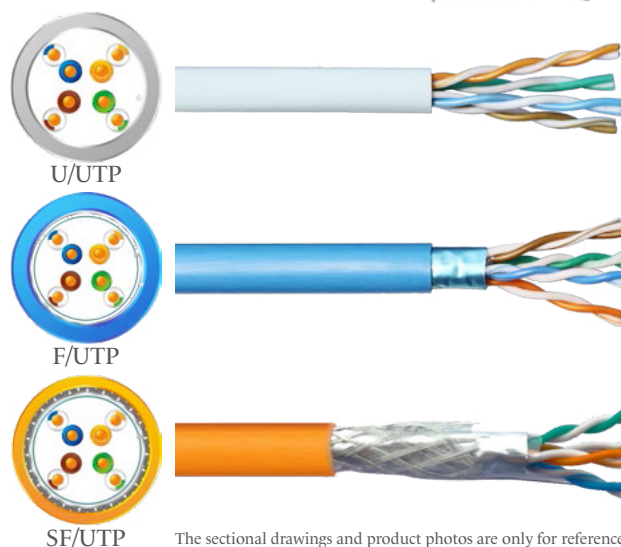
- ISO/IEC11801 · ANSI/TIA-568-C.2

Physical Parameters

Conductor	Solid Bare Copper, 24AWG
Insulation Materials	High Density Polyethylene
Insulation Diameter	0.88mm Nom.(solial insulation) 1.00mm Nom. (solial insulation)
Overall Shield	Aluminum Foiled
Double Overall Shield	Aluminum Foiled+ Braiding
Jacket Diameter	5.0mm Nom. (U/UTP) 6.2mm Nom. (F / UTP) 6.6mm Nom. (SF / UTP) (5.0/10.8)mm Nom. (U/UTP duplex) (6.4/13.5)mm Nom. (F/UTP duplex) (5.4/2.6)mm Nom. (U/UTP aerial) (6.4/2.6)mm Nom. (F/UTP aerial)
Jacket Material	PVC or LSZH or PE(depending on the jackets) Compliant with RoHS and REACH
Operating Temperature	- 30 °C ~ +50 °C (LSZH/PE) - 20 °C ~ +50 °C (PVC)

Electrical Parameters (20°C)

Transmission Delay Skew	≤45ns / 100m
Transmission Speed	69%
Capacitance	≤ 5.6nf / 100m
DC Conductor Resistance	9.5Ω / 100m
DC Conductor Resistance Unbalance	≤ 5%
Unbalance to Ground Capacitance	≤ 330pf / 100m



The sectional drawings and product photos are only for reference

Frequency (MHz)	RL ≥dB	Attenuation ≤dB/100m	NEXT ≥dB/100m	Phase Delay ns/100m	PS NEXT ≥dB/100m	ELFEXT ≥dB/100m	PS ELFEXT ≥dB/100m
1	20.0	2.0	65.3	570.00	62.3	63.8	60.8
4.0	23.0	4.1	56.3	552.00	53.3	51.8	48.8
8.0	24.5	5.8	51.8	546.73	48.8	45.7	42.7
10.0	25.0	6.5	50.3	545.38	47.3	43.8	40.8
16.0	25.0	8.2	47.2	543.00	44.4	39.7	36.7
20.0	25.0	9.3	45.8	542.05	42.8	37.8	34.8
25.0	24.3	10.4	44.3	541.20	41.3	35.8	32.8
31.25	23.6	11.7	42.9	540.44	39.9	33.9	30.9
62.5	21.5	17.0	38.4	538.55	35.4	27.9	24.9
100	20.1	22.0	35.3	537.60	32.3	23.8	20.8
*155	18.8	28.1	32.4	536.89	29.4	20.2	17.2
*200	18.0	32.4	30.8	536.55	27.8	18.0	15.0
*310	16.7	41.8	27.9	536.04	24.9	14.2	11.2
*350	16.3	44.9	27.1	535.92	24.1	13.1	10.1

Product Code Generator for Data Copper Cables:

SXC	CAT	AA	Type	BB	Package	CC	Jacket	D	Color	EE
	5e	5E	U/UTP	UU	Box 305 m	B1	PVC	A	Gray	01
	6	06	F/UTP	FU	Reel 500 m	R1	LSZH	B	Purple	02
	6A	6A	SF/UTP	SU	Reel 1000 m	R2	PE	C	Blue	03
	7	07	U/FTP	UF					Green	04
	7A	7A	F/FTP	FF					Yellow	05
	8	08	S/FTP	SF					Orange	06
									Red	07
									White	08
									Black	09

Product Code Format: **SXC-AA-BB-CC-D-EE**

Example:

Cat6, U/UTP, Box 305m, LSZH, Purple

Product Code: **SXC-06-UU-B1-B-02**