

LAN CABLE

CAT 6A



Features

Compliant with:

- ANSI/TIA-568-C.2 6A
- ISO/IEC 11801 Class Ea

Application :

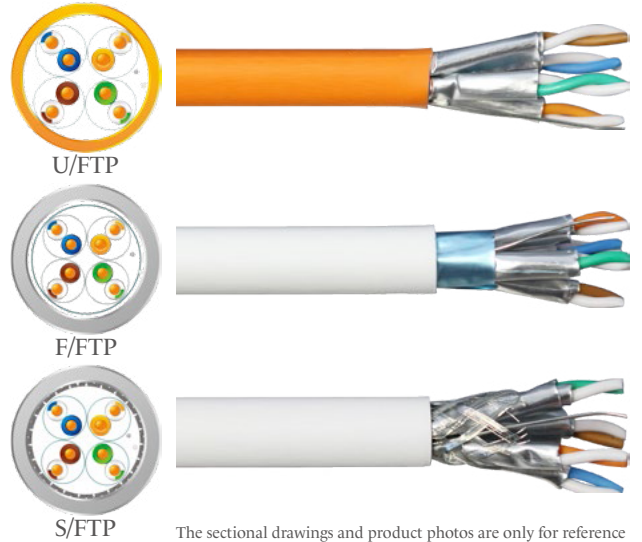
- VoIP · ISDN · Token · 100M TP-PDM
- Analog and Data Video
- TR-16 Active and Passive
- 155M/662m/1.2G ATM
- IEEE802.3 : 100Base, 100Base-T, 1000Base-T, 10GBase-T

Reference Standards

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

Testing Standards

- ISO/IEC11801 · ANSI/TIA-568-C.2 · IEC 61156-5



The sectional drawings and product photos are only for reference

Physical Parameters

Conductor	Solid Bare Copper, 23AWG
Insulation Materials	High Density Polyethylene Skin-foam-skin Polythene
Insulation Diameter	1.12mm Nom. (solial insulation) 1.33mm Nom. (SFS insulation)
Overall Shield	Aluminum Foiled
Double Overall Shield	Aluminum Foiled+ Braiding
Jacket Diameter	7.1mm Nom. (U / UTP) 7.3mm Nom. (U / FTP) 7.5mm Nom. (F / FTP) 7.6mm Nom. (S/FTP) (7.5/16.0)mm Nom.(F/FTP duplex) (7.7/16.3)mm Nom.(S/FTP duplex)
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% (unshielded), 74% (shielding)
DC Conductor Resistance	9.38Ω / 100m
DC Conductor Resistance Unbalance	≤5%
Unbalance to Ground Capacitance	≤330pf / 100m

All specifications are subject to change without notice

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	2.1	74.3	570.0	72.3	67.8	64.8
4.0	23.0	3.8	65.3	552.0	63.3	55.8	52.8
8.0	24.5	5.3	60.8	546.7	48.8	49.7	46.7
10.0	25.0	5.9	59.3	545.4	57.3	47.8	44.8
16.0	25.0	7.5	56.2	543.0	54.2	43.7	40.7
20.0	25.0	8.4	54.8	542.1	52.8	41.8	38.8
25.0	24.3	9.4	53.3	541.2	51.3	39.8	36.8
31.25	23.6	10.5	51.9	540.4	49.9	37.9	34.9
62.5	21.5	15.0	47.4	538.6	45.4	31.9	28.9
100	20.1	19.1	44.3	537.6	42.3	27.8	24.8
200	18.0	27.6	39.8	536.5	37.8	21.8	18.8
250	17.3	31.1	38.3	536.3	36.3	19.8	16.8
300	16.8	34.3	37.1	536.1	35.1	18.3	15.3
500	15.2	45.3	33.8	535.6	31.8	13.8	10.8

Product Code Generator for LAN 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**