

## LAN CABLE

### S/FTP CAT 7



#### Features

##### Application :

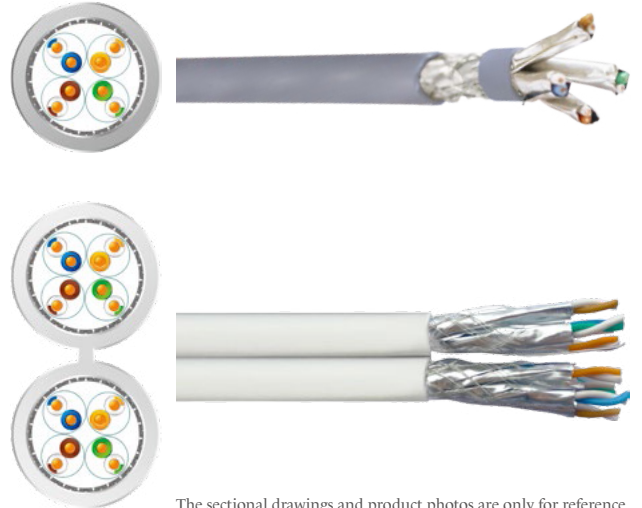
- Volp · ISDN · Token · 100MTP-PDM
- Analog and Data Video · TR-16 Active and Passive
- 155M / 662m / 1.2G ATM
- IEEE802.3:100Base, 100Base-T, 1000Base-T  
10GBase-T

#### Reference Standards

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

#### Testing Standards

- ISO/IEC11801 · IEC61156-5



The sectional drawings and product photos are only for reference

#### Physical Parameters

Conductor	Solid Bare Copper, 23AWG
Insulation Materials	Skin-foam-skin Polyethylene
Insulation Diameter	1.33mm Nom.
Shielded Line Pair	Aluminum Foiled
Braided Shielding	Braided with tinned copper or aluminum magnesium alloy
Jacket Diameter	7.6mm Nom.
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	≤25ns / 100m
Transmission Speed	74%
DC Conductor Resistance	9.5Ω / 100m
DC Conductor Resistance Unbalance	≤ 2%
Unbalance to Ground Capacitance	≤ 330pf / 100m

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
1.0	20.0	—	78.0	570.0	75.0	78.0	75.0
4.0	23.0	3.74	78.0	552.0	75.0	78.0	75.0
8.0	24.5	5.24	78.0	546.7	75.0	75.9	72.9
10.0	25.0	5.86	78.0	545.4	75.0	74.0	71.0
16.0	25.0	7.41	78.0	543.0	75.0	69.9	66.9
20.0	25.0	8.29	78.0	542.0	75.0	68.0	65.0
25.0	24.3	9.29	78.0	541.2	75.0	66.0	63.0
31.25	23.6	10.41	78.0	540.4	75.0	64.1	61.1
62.5	21.5	14.88	75.5	538.6	72.5	58.1	55.1
100	20.1	19.02	72.4	537.6	69.4	54.0	51.0
150	18.9	23.56	69.8	536.9	66.8	50.2	47.2
200	18.0	27.47	67.9	536.5	64.9	48.0	45.0
250	17.3	30.97	66.4	536.3	63.4	46.0	43.0
300	17.3	34.19	65.2	536.1	62.2	44.5	41.5
600	17.3	50.10	60.7	535.5	57.7	38.4	35.4
*800	17.3	58.92	58.9	535.27	55.9	35.4	32.9
*1000	13.1	66.93	57.4	535.14	54.4	34	31

### 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**