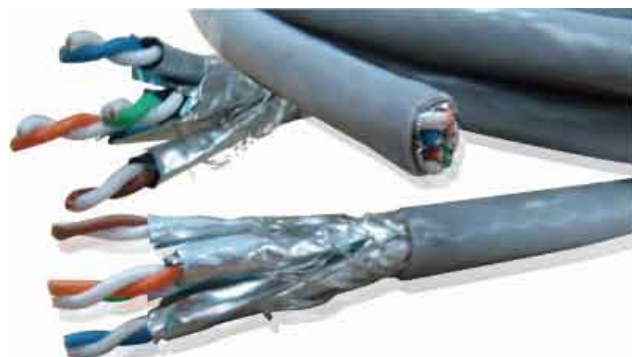


SofeTEK Category 7 S/FTP Cable

Category 7 S/FTP cable is the high end 600MHz offering. Manufactured in accordance with ISO IEC 61156-5 requirements, the S/FTP cable is the best choice to support all Class F applications like Ethernet, Fast Ethernet, Gigabit Ethernet, ATM 155, ATM 622, ATM 1200 ... The Cat 7 S/FTP cables are suitable for voice, data, CATV and sharing application installations up to 600 MHz. Used with Cat 7 connectivity, these cables are compliant with Class F link requirements as described in EN 50173 Edition 2 and ISO 11801 Edition 2 standards (2002).

- Complies to Cat 7 standard version
- Guaranteed performance to 600MHz
- 23 AWG solid bare copper
- Screening by individual foil per pair and by overall braid for best EMC performance
- PVC or LSZH sheath
- Various colours



Electrical Characteristics

Frequency (MHz)	Impedance	RL(dB)		Attenuation(dB)	NEXT(dB)		PSNEXT(dB)		PPELFEXT(dB)		PSELFEXT(dB)		ACR(dB)		PS-ACR(dB)	
		min	nom	nom	min	nom	min	nom	min	nom	min	nom	min	nom	min	nom
1	100±15	20.0	23.0	1.9	80.0	85.3	77.0	82.4	80.0	85.0	77.0	82.0	78.0	88.0	75.0	85.0
10		25.0	28.0	5.7	80.0	83.2	77.0	80.9	74.0	79.0	71.0	76.0	74.3	84.3	71.3	81.3
62.5		21.5	24.0	14.7	75.5	80.1	72.5	76.8	58.1	63.1	55.1	60.1	61.0	76.0	58.0	73.0
100		20.1	23.0	18.7	72.4	76.3	69.4	73.6	54.0	59.0	51.0	56.0	53.9	72.5	50.9	69.5
200	100±22	18.0	23.0	27.5	67.9	74.8	64.9	70.8	48.0	53.0	45.0	50.0	41.1	65.0	38.1	62.0
250		17.3	23.0	37.7	66.5	70.5	63.5	68.5	46.0	51.0	43.0	48.0	36.3	50.0	33.3	47.0
300		17.3	23.0	46.2	65.3	68.6	63.3	67.3	44.5	49.5	41.5	46.5	32.0	48.3	29.0	56.0
600		17.3	20.0	51.4	60.8	65.4	57.8	62.0	38.4	43.4	35.4	40.4	11.9	32.0	8.9	29.0

Order Information

Product Number	Description	Flame	Color	Length	Package
SKC7S1M004GY	4-pair, cat 7 S/FTP horizontal cable	CM	Gray	305m	Reel
SKC7S1L004BL	4-pair, cat 7 S/FTP horizontal cable	LSZH	Blue	305m	Reel



SofeTEK Category 7 S/FTP Cable

Physical parameters

- **Basic Wires**
Conductor: eight wires, bare copper, 0.60 mm OD
Insulation: skin foam, polyolefin, 1.4 mm OD
- **Pairs Construction**
Four pairs, each pair wrapped in polyester-aluminum foil (metal face outward), providing 100% coverage
- **Pairs Color Codes**
Blue/white, orange/white, green/white, brown/white
- **Pairs Arrangement**
Four pairs cabled together
- **Overall Shield**
Tinned-copper braid (providing 44% coverage minimum)
- **Overall Diameter**
8.5 mm nominal
- **Outer Sheath**
LSZH
LSZH PVC compound, colored light gray, with black printing
PVC
SR PVC compound, colored light gray, with black printing
- **Printing**
As customers' requirements

Technical parameters

- **Characteristic Impedance**
100 ± 15 Ω at 1 to 100 MHz
100 ± 22 Ω at 100 to 600 MHz
- **DC Resistance (20°C)**
Max. 7.5Ω/100m
- **Resistance Unbalance (20°C)**
2.5% max.
- **Mutual Capacitance**
5.6 nF/100m max.
- **Capacitance Unbalance (wire to ground)**
330 pF/100m
- **Insulated Resistance**
Min 6000MΩ·km
- **Dielectric Strength**
700 VAC/one minute
- **Nominal Velocity of Propagation**
79%
- **Propagation Delay**
4.8 nS/m max @ 1 MHz
4.7 nS/m max @ 10 MHz
4.7 nS/m max @ 100 MHz
- **Propagation Delay Skew**
25 nS/100m Max.
Storage Temperature
-30°C to 70°C
- **Operating Temperature**
-10°C to 60°C

