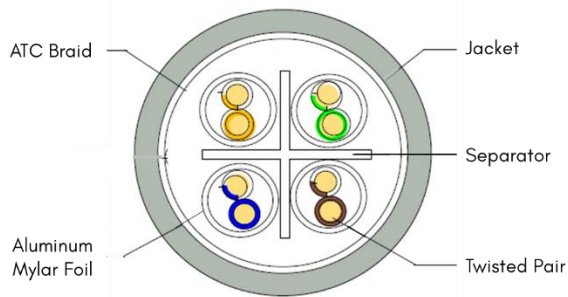


## Category 6 S/FTP Cable

Category 6 S/FTP 4-pair Cable is a Gigabit Ethernet shielded cable, designed to provide Category 6 Link and Channel performance with internationally defined physical and electrical performance up to 250MHz.

This cable guarantees Category 6 performance ensuring maximum network speed, data throughput and efficiency.



### Standards

- ANSI/TIA-568.2-D
- ISO/IEC 11801
- IEEE 802.3bt
- 10/100/1000Base-T
- 155Mbps ATM
- Power over Ethernet (POE)

### Construction

Conductor  
Nominal Conductor Diameter  
Insulation  
Separator  
Overall Shield  
Individual Shield  
Jacket  
Nominal Outside Diameter  
Colour of Jacket  
Sequential Marking  
Packaging

Annealed Plain Solid Copper Conductor  
23 AWG  
Foamed PE  
HDPE  
ATC Braid  
Al Mylar Tape  
Low Smoke Zero Halogen  
7.40 ± 0.30mm  
Grey  
At Every Meter  
305 Meters In Wooden Reel

### Electrical Data

DC resistance at 20°C (max)	9.38Ω / 100m
DC resistance unbalance (max)	5%
Mutual capacitance at 20°C (max)	5.6nF / 100m
Capacitance Unbalance (max)	330PF/100m
Operating voltage (max)	300 V DC
Delay Skew	536 nS/100m
Worse case cable skew	45 ns / 100m
Impedance (Ω)	100±15
Nominal velocity of propagation	69%
Dielectric Strength	1.5kV AC / 2.5kV DC



### Environmental

Transport and storage	-20° to 75°C
Installation	4° to 50°C
Operation	-20° to 75°C

### Compliances

Flammability	IEC 60332-1
Smoke density	IEC 61034
Acid gas	IEC 60754-1

### Transmission Performance

F in MHz	Attenuation (dB/100m) max.	NEXT (dB) min.	PS.NEXT (dB) min.	ACRF (dB/100m) min.	PS.ACRF (dB/100m) min.	RL (dB/100m)
1	2.1	65.0	62.0	63.3	60.3	19.0
4	4.0	63.0	60.5	51.2	48.2	19.0
8	5.7	58.2	55.6	45.2	42.2	19.0
10	6.3	56.6	54.0	43.3	40.3	19.0
16	8.0	53.2	50.6	39.2	36.2	18.0
20	9.0	51.6	49.0	37.2	34.2	17.5
25	10.1	50.0	47.3	35.3	32.3	17.0
31.25	11.4	48.4	45.7	33.4	30.4	16.5
62.5	16.5	43.4	40.6	27.3	24.3	14.0
100	21.3	39.9	37.1	23.3	20.3	12.0
200	31.5	34.8	31.9	17.2	14.2	9.0
250	35.9	33.1	30.2	15.3	12.3	8.0

### How to Order

Description	Colour	Quantity	Product Code
Category 6 S/FTP Cable, LSZH	Grey	305m/Reel	501342-4

Other cable Quantities and Colours are available upon request.