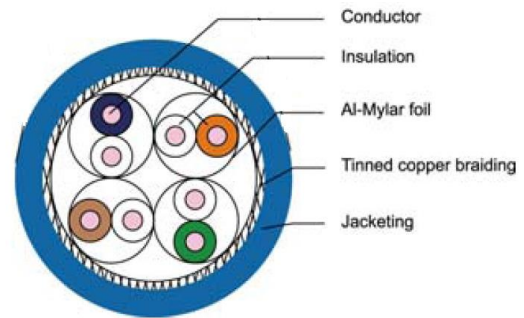


Our Shielded Foil Twisted Pair (S/FTP) category 6A cable is designed to support transmission speeds of 10 Gigabits per second while ensuring reliable operation at frequencies of 500MHz or higher. Meets all relevant international telecommunications and electrical standards, including ANSI/TIA/EIA 568C.2 and ISO/IEC 11801. This cable is constructed with four pairs of wires 23AWG solid bare copper and has an Aluminum Mylar foil around each pair and a tinned copper braid on four pairs, according to the production standards combined with a dielectric polyethylene foam, to ensure maximum strength and maximum rejection of noise and electromagnetic interference. An additional benefit of this cable is provided by the low toxicity Halogen known as LSZH Jacket. This material is characterized by low smoke, toxic and corrosive gases when exposed to fire and facilitate the safe evacuation in case of fire, which is critical when it comes to protecting human life and equipment during a disaster. Each wooden reel contains 1000 feet (305 meters) of cable and gray and blue colors.



NAB-UTP6AGR

NAB-UTP6ABL



Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	ACRF (dB)	PSACRF (dB)	PSAACRF (dB)	PSANEXT (dB)	RL(dB) Solid
1.0	2.1	74.3	72.3	67.8	64.8	67.0	67.0	20.0
4.0	3.8	65.3	63.3	55.8	52.8	66.2	67.0	23.0
8.0	5.3	60.8	58.8	49.7	46.7	60.1	67.0	24.5
10.0	5.9	59.3	57.3	47.8	44.8	58.2	67.0	25.0
16.0	7.5	56.2	54.2	43.7	40.7	54.1	67.0	25.0
20.0	8.4	54.8	52.8	41.8	38.8	52.2	67.0	25.0
25.0	9.6	53.3	51.3	39.8	36.8	50.2	67.0	24.3
31.25	10.5	51.9	49.9	37.9	34.9	48.3	67.0	23.6
62.5	15.0	47.4	45.4	31.9	28.9	42.3	65.6	21.5
100.0	19.1	44.3	42.3	27.8	24.8	38.2	62.5	20.1
200.0	27.6	39.8	37.8	21.8	18.8	30.2	58.0	18.0
250.0	31.1	38.3	36.3	19.8	16.8	30.2	56.5	17.3
300.0	34.3	37.1	35.1	18.3	15.3	28.7	55.3	16.8
400.0	40.1	35.3	33.3	15.8	12.8	26.2	53.5	15.9
500.0	45.3	33.8	31.8	13.8	10.8	24.2	52.0	15.2





Product specifications	
Wire characteristics	
Cable type	S/FTP (Shielded Foiled Twisted Pair)
Number of pairs	4
Number of wires	8
Wire type	Solid bare copper
Wire gauge size	23 AWG
Internal characteristics	
Internal jacket material	PE (3 dielectric layers)
Average min. thickness	0.178 mm
Min. thickness	0.153 mm
Color combinations	
Pair 1	Light Blue and white / White
Pair 2	Light Orange and white / White
Pair 3	Light Green and white / White
Pair 4	Light Brown and white / White
Shield type	Braid wire (tinned copper conductor) and aluminum-mylar tape
External characteristics	
External jacket material	LSZH (Low Smoke Zero Halogen)
Average min. thickness	0.585 mm
Min. thickness	0.458 mm
Average cable diameter	7.2 mm ± 0.2mm
Max. strength	11 Kg
Available jacket colors	Grey and blue
Electrical Characteristics	
Voltage rating	300V
Temperature rating	75°C
Characteristic impedance (Zo)	85-115Ω (1-500 MHz)
Conductive resistance	Max 8.9Ω/100M 20°C
DC resistance capacitance unbalance	5%
Pair-to-ground capacitance unbalance	Max 330 pF/100m
Mutual capacitance	Max 5,600 pF/100m
Dielectric strength	DC 2.5kV/2sec or AC 1.75kV/2sec
Nominal velocity of propagation (NVP)	70%
Transmission characteristics	
Transmission speed	10,000 Mbps / 10 Gbps
Bandwidth	500 MHz
Link max. distance	90 m
Certifications and standards	
International standards	ANSI/TIA/EIA-568-C.2 and ISO/IEC 11801 Meets IEEE 802.3af and IEEE 802.3at for PoE applications
ETL certificate	101002179CRT-001a
Miscellaneous	
Color	Grey Blue
MPN	NAB-UTP6AGR NAB-UTP6ABL
UPC	798302031036 798302033108
Labeling	NEXXT S/FTP INSTALL CABLE 23AWG 4PR ANSI/TIA 568C.2 CAT6A LS0H XXXXXXXX-X XXXM www.nexxtsolutions.com
Packaging	Wooden reel
Cable length	1,000ft / 305m
Cuft	1.67
Warranty	Limited lifetime warranty*