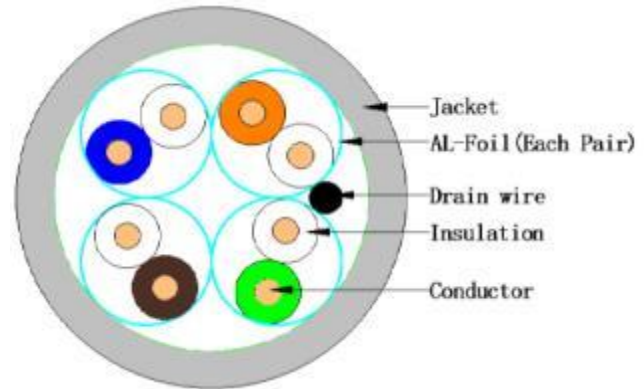


CAT.6A U/FTP 26AWG CABLE - CC6AC5



Category 6A U/FTP cables are specifically designed to deliver robust standards-based performance ensuring optimum bandwidth for today's high speed network applications. The cable is designed to support horizontal networking applications over distances up to 70 meters.

Each Category 6A U/FTP exceed the minimum specified performance for Category 6A U/FTP cables and support all CLASS EA applications.

FEATURES

- ✓ Conform to IEC, EIA-TIA performance requirements
- ✓ 26AWG premium grade copper conductor
- ✓ U/FTP cable structure for better shielding in external interference environments
- ✓ Cable jacket available in LSZH, CM, PVC
- ✓ CPR Euro classes certified on demand



APPLICATIONS

- ✓ Supports category 6A (Class EA) networks running up to 500MHz applications
- ✓ Ideal for environments where external interferences can disrupt signals
- ✓ Horizontal and backbone in structured cabling installations

SPECIFICATIONS

Parameters	Value
Electrical Performance	Channel performance in a 4-connector configuration up to 70 meters
Conductor/Insulator	26 AWG solid copper insulated with Foam PE
Installation Temperature	0° C ~ +50° C
Operating Temperature	-20° C ~ +60° C
Compliance	IEC61156-6 & ISO/IEC 11801
RoHS Compliance	Compliant
PoE Application	• IEEE 802.3bt PoE Type 1 (15.4 Watts) formerly 802.3af • IEEE 802.3bt PoE Type 2 (30 Watts) formerly 802.3at • IEEE 802.3bt PoE Type 3 (60 Watts)

CABLE SPECIFICATION (CONSTRUCTION)

Parameters	Units	Value
Cable Jacket Material		LSZH, CPR Cca s1a,d1,a1
Cable OD	mm	6.0±0.3mm
Cable Jacket Thickness	mm	0.50~0.60 mm
Insulation		Foam PE
Insulation OD	mm	0.95±0.05mm
Conductor		26 AWG solid copper
Conductor OD	mm	0.40±0.01mm
Twisted		2 cores
AL Foil (Each Pair)		Yes
Drain Wire		Tinned Copper
Pair Color Codes		Pair 1: White, and Blue Pair 2: White, and Orange Pair 3: White, and Green Pair 4: White, and Brown
Jacket Color		Blue (RAL 5012), Grey (RAL 7046), Black (RAL 9005)

CABLE SPECIFICATION (MECHANICAL)

Parameters	Value
Minimum Elongation at break of the conductor	10%
Minimum Elongation at break of the insulation	300%
Minimum Tensile strength of insulation	10 Mpa
Minimum Elongation at break of the jacket	100%
Minimum Tensile strength of jacket	9 Mpa
Aging Condition (°C x hrs)	100 x 168
After Aging Tensile Strength (Mpa)	≥ 70% of unaged
After Aging Elongation (%)	≥ 70% of unaged

CABLE SPECIFICATION (ELECTRICAL PROPERTIES AT 20°C)

Parameters	Value
Max. Conductor DC Resistance 20°C (Ω/km)	145
Min. insulation resistance(MΩ*km)	5000
Mutual Capacitance @1KHz(nF/KM)	< 56
Pair-to-Ground Capacitance Unbalance (pF/100m)	<= 160
Delay Skew (ns/100m) 100MHz	≤ 45
Resistance Unbalance within a pair (%)	<= 2
Coupling attenuation(dB)	Type 1b
Transfer impedance	Grade 2
Nominal Velocity of Propagation	72%

TRANSMISSION LINE PERFORMANCE AT 20°C

Freq. MHz	RL >d B	ATT <d B	NEXT >dB	PHASE DELAY <ns	PSNEXT >dB	ELFEXT >dB	PSELFEXT >dB	Impedance(Ω) Upper Limit	Impedance(Ω) Lower Limit
4	23.0	5.7	66.3	552	63.3	56.0	53.0	115.2	86.8
10	25.0	8.9	60.3	545	57.3	48.0	45.0	111.9	89.4
16	25.0	11.2	57.2	543	54.2	43.9	40.9	111.9	89.4
20	25.0	12.6	55.8	542	52.8	42.0	39.0	111.9	89.4
31.25	23.3	15.8	52.9	540	49.9	38.1	35.1	114.6	87.2
62.5	20.7	22.5	48.4	539	45.4	32.1	29.1	120.2	83.2
100	19.0	28.7	45.3	538	42.3	28.0	25.0	125.3	79.8
200	16.4	41.4	40.8	537	37.8	22.0	19.0	135.7	73.7
250	15.6	46.6	39.3	536	36.3	20.0	17.0	140.0	71.4
300	15.6	51.4	38.1	536	35.1	18.5	15.5	139.8	71.5
500	15.6	67.9	34.8	536	31.8	14.0	11.0	139.8	71.5

*Frequency below 4MHz is achieved by design only.

ORDER INFORMATION

CC	1	2	3	4	5	6
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CC	1	CABLE CATEGORY	2	CABLE TYPE	3	CABLE STRUCTURE	4	JACKET COLOR	5	JACKET MATERIAL	6	PACKING
	6A	CAT 6A	M	SLIM	UF	U/FTP	BL	BLUE	L	LSZH	5	500MTR/REEL
							GY	GREY	LC	LSZH CPR CCA		
							WH	WHITE	C	PVC CM		
							BK	BLACK	P	PVC		
							GR	GREEN	E	PE		
							PR	PURPLE				
							RD	RED				