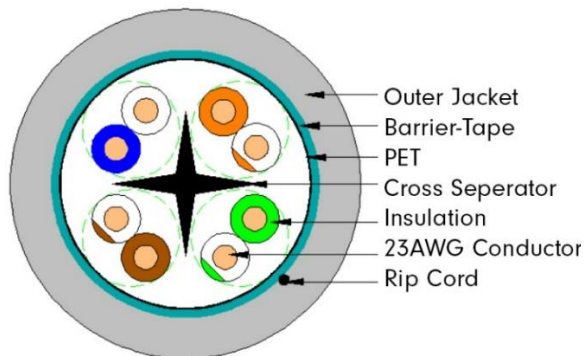
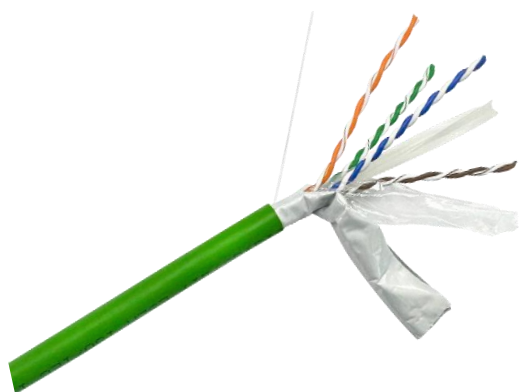


CAT.6A U/UTP CPR Cca CABLE - CC6AUGYLC3




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NEXCONEC[®] Category 6A CPR Cca U/UTP 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 100 meters.

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

FEATURES

- ✓ Conform to IEC, EIA-TIA performance requirements
- ✓ 23AWG premium grade copper conductor
- ✓ Support application with PoE, IEEE 802.3bt PoE++ Type 4
- ✓ U/UTP cable structure with cross separator inside for better cable performance
- ✓ Cable jacket available in LSZH CPR Cca 

APPLICATIONS

- ✓ Supports category 6A (Class EA) networks running up to 500MHz applications
- ✓ Horizontal and backbone in structured cabling installations
- ✓ 10/100/1000/10GBase-T, 1000Base-TX, ATM, FDDI, Video, ISDN

SPECIFICATIONS

Parameters	Value
Electrical Performance	performance in a 4-connector configuration up to 100 meters
Conductor/Insulator	23 AWG Solid Copper insulated with HDPE
Operating Temperature	-20 ~ +60°C
Installation Temperature	0 ~ +50°C
Storage Temperature	-20 ~ +70°C
PoE Application	IEEE 802.3bt PoE++ Type 4
Compliance	ANSI/TIA-568.2-D-2018, ISO/IEC11801, ETL Verified
RoHS Compliance	Compliant
Flaming Test	CPR Cca-s1a,d0,a1

CABLE SPECIFICATION (CONSTRUCTION)

Parameters	Unit	Value
Conductor		23AWG Solid Copper
Conductor OD	mm	0.56±0.008
Cable Jacket OD	mm	7.40±0.3
Cable Jacket Avg. Thickness	mm	0.60
Cable Jacket Material		LSZH
Cable Jacket Color		Blue (RAL 5015) Grey (RAL 7044) Black (RAL 9005)
Shielding		None
Insulation		HDPE

Insulation OD	mm	1.1 ±0.05
Insulation Avg. Thickness	mm	0.27
Cross Separator		PE
PET		Yes
Barrier Tape		Yes
Rip Cord		Yes
Pair Color Codes		Pair 1: White/Blue, and Blue Pair 2: White/Orange, and Orange Pair 3: White/Green, and Green Pair 4: White/Brown, and Brown

CABLE SPECIFICATION (MECHANICAL)

Parameters	Value
Min. Elongation at break of the conductor	10%
Min. Elongation at break of the insulation	300%
Min. Tensile Strength of insulation	10 Mpa
Min. Elongation at break of the jacket	100%
Min. Tensile Strength of jacket	9 Mpa
Min. Bending Radius (installation)	8x OD.
Min. Bending Radius (installed)	4x OD.
Cold Bend	No crack @-20°C x 4hrs
Aging Condition (°C x hrs.)	100 x 168
After Tensile Strength (Mpa)	≥70% of unaged
Aging Elongation (%)	≥70% of unaged

CABLE SPECIFICATION (ELECTRICAL PROPERTIES AT 20°C)

Parameters	Unit	Value
Characteristic Impedance	(1-100MHz) (100-500MHz)	100 ±15Ω 100 ±25Ω
DC Resistance	Ω/100m	≤ 9.38Ω/100m max.
Resistance Unbalance	%	≤ 4%
Capacitance Unbalance to Earth	Pf/100m	≤ 160 pF/100m
Delay Skew	1-500MHz	≤ 45ns/100m
Nominal Velocity of Propagation	%	68%
Propagation Delay (Nominal)	ns/100m	533ns/100m at 500MHz
Test Voltage (D.C. for 1 minute) Conductor /Conductor	VDC	1000V
Insulation Resistance (500V D.C)	MΩ	≥ 5000MΩ/Km

TRANSMISSION LINE PERFORMANCE AT 20°C

Freq. MHz	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	20.0	2.1	74.3	570	72.3	67.8	64.8
4	23.0	3.8	65.3	552	63.3	55.8	52.8
8	24.5	5.3	60.8	547	58.8	49.7	46.7
10	25.0	5.9	59.3	545	57.3	47.8	44.8
16	25.0	7.5	56.2	543	54.2	43.7	40.7
20	25.0	8.4	54.8	542	52.8	41.8	38.8
25	24.3	9.4	53.3	541	51.3	39.8	36.8
31.25	23.6	10.5	51.9	540	49.9	37.9	34.9
62.5	21.5	15.0	47.4	539	45.4	31.9	28.9

100	20.1	19.1	44.3	538	42.3	27.8	24.8
200	18.0	27.6	39.8	537	37.8	21.8	18.8
250	17.3	31.1	38.3	536	36.3	19.8	16.8
300	16.8	34.3	37.1	536	35.1	18.3	15.3
400	15.9	40.1	35.3	536	33.3	15.8	12.8
500	15.2	45.3	33.8	536	31.8	13.8	10.8

ORDER INFORMATION

CC	1	2	3	4	5
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CC	1	CABLE CATEGORY	2	CABLE STRUCTURE	3	JACKET COLOR	4	JACKET MATERIAL	5	PACKING
	6A	CAT 6A	U	U/UTP	BL	BLUE	LC	LSZH CPR CCA	5	500MTR/REEL
					GY	GREY			3	305MTR/REEL IN CARTON
					WH	WHITE				
					BK	BLACK				
					GR	GREEN				
					PR	PURPLE				
					RD	RED				