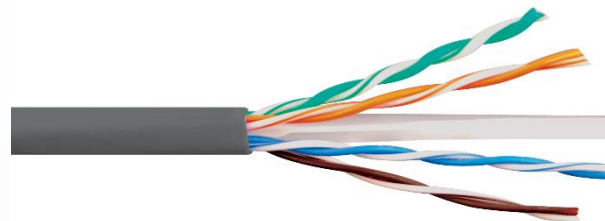


SuperiOrtec Category 6A U/UTP, 4-pair, 23AWG Cable is tested over 600MHz and designed for applications demanding high bandwidth and reliable transmission. Engineered with the state of the art design, this cable is the perfect transmission medium for Voice, Video and High Speed Data Transmission. Its features a separator to lower crosstalk at each point along the full length of cable. It comes in different variety of outer jacket: (PVC, Low Smoke Zero Halogen (LSZH) and Outdoor PE.



APPLICATIONS

Access Network	Gigabit Ethernet 1000Base-TX	10GB Application	Access Control
Broadband	IPTV	Voice	Fast Ethernet 100Base-TX

FEATURES

Low Attenuation & Crosstalk

Flexible for installation in conduits, on cable trays and under raised floor

Easy to Terminate

Color Coded Pair Identification

STANDARD COMPLIANCE

ANSI / TIA / 568C.2

ISO / IEC / 11801

CABLE CONSTRUCTIONS

Conductor Materials	Copper
Conductor Diameter	0.58±0.01mm
Insulation Material	HDPE
Nominal Wall	0.23mm
Insulation Diameter (Approx.)	1.02±0.05mm
Pairs Count	4
Sheath Material	PVC or LSZH
Sheath Nominal Wall Thickness	0.50mm
Sheath Diameter (Approx.)	6.5±0.5mm

ELECTRICAL SPECIFICATIONS at 20°C

Conductor Resistance	≤9.38Ω/100m
Insulation Resistance	≥5000M Ω Km (DC500V Charged 1Min.)
Voltage Endurance	DC 1500V/Min.
Mutual Capacitance	≤5.6nF/100m
Core-core Resistance Unbalance	≤5%

ENVIRONMENTAL SPECIFICATION

Storage Temperature	Indoor 40°C
Operating Temperature Range	-20°C ~ +70°C
Installation Temperature Range	-10°C ~ +60°C

TRANSMISSION PERFORMANCE

Frequency MHz	Return Loss ≥db/100m	Attenuation ≤db/100m	NEXT ≥db/100m	PSNEXT ≥db/100m	ELFEXT ≥db/100m
1	19.1	3.0	65.0	62.0	64.2
4	21.0	3.5	64.1	61.8	52.1
10	21.0	5.5	57.8	55.5	44.2
16	20.0	7.0	54.6	52.2	40.1
20	19.5	7.8	53.1	50.7	38.2
31.25	18.5	9.8	50.0	47.5	34.8
62.5	16.0	14.0	45.1	42.7	28.3
100	14.0	18.0	41.8	39.3	24.2
200	11.0	26.1	36.9	34.3	18.2
250	10.0	29.5	35.3	32.7	16.2
350	8.6	35.6	31.8	29.1	13.3
500	8.0	43.8	26.7	23.8	10.2

ORDERING INFORMATION

CL004C6AU/UTP-CM

Superior tec Cat6a UTP 4Pairs, 23AWG, PVC Cable

CL004C6AU/UTP-LS

Superior tec Cat6a UTP 4Pairs, 23AWG, LSZH Cable

CL004C6AU/UTP-PE

Superior tec Cat6a UTP 4Pairs, 23AWG, Outdoor PE Cable