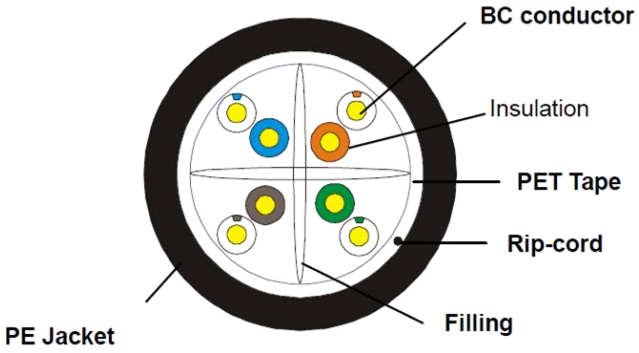
superiOtec Category 6 U/UTP, 4-Pair, 23 AWG, PE Cable is tested up to 350 MHz to assure performance of 250MHz and designed for applications demanding high bandwidth and reliable transmission. Engineered with the state of the art design, this cable is the perfect transmission medium for Video, Voice, and High Speed Data Transmission. Its features a separator to lower cross talk at each point along the full length of cable.



APPLICATION			
Access Network	Gigabit Ethernet 1000Base-TX	IP/CCTV	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 Code Pair Identification

STANDARDS/COMPLIANCE
ANSI/TIA/568C.2
ISO/IEC/11801

CABLE CONSTRUCTIONS	
Conductor Material	Solid Bare Copper
Conductor Nominal Outer Diameter (mm)	0.55±0.005
Insulation Material	HDPE
Insulation Diameter (mm)	0.95±0.03
Pairs Count	4
Sheath Materials	LDPE Complies (RoHS)
Sheath Thickness (mm)	0.55±0.05

Sheath External Outer Diameter (mm)	6.3±0.5	
Sheath Color	PE (Black)	
Core Color (With Striped Color)	(1) White-Blue/Blue	(2) White-Orange/Orange
	(3) White-Green/Green	(4) White-Brown/Brown
Packaging Length (M)	305±1.5	
Rip-Cord	Yes	
Shield	PET Tape	

ELECTRICAL CHARACTERISTICS at 20˚C

1.0 – 250 MHz Delay Skew (ns/100m)	≤45
Velocity of Propagation %	74
1.0 – 250 MHz Impedance (Ω)	100±15
DC Resistance (Ω/100m) max.	9.5
DC Conductor Resistance Unbalance (%) max.	5.0

ENVIRONMENTAL SPECIFICATION

Storage Temperature	-40˚C to +70˚C
Operating Temperature	-20˚C to +60˚C
Installation Temperature	-20˚C to +60˚C

TECHNICAL PERFORMANCE (100M)

Frequency (MHz)	RL (≥dB)	ATT (≤dB)	NEXT (≥dB)	DELAY (≤ns)	PSNEXT (≥dB)	ELFEXT (≥dB)	PSELFEXT (≥dB
1	20.0	2.03	74.3	570.00	72.3	68.0	65.0
4.0	23.0	3.78	65.3	552.00	63.3	56.0	53.0
8.0	24.5	5.32	60.8	546.73	58.7	49.9	46.9
10.0	25.0	5.95	59.3	545.38	57.3	48.0	45.0
16.0	25.0	7.55	56.2	543.00	54.2	43.9	40.9
20.0	25.0	8.47	54.8	542.05	52.8	42.0	39.0
25.0	24.3	9.51	53.3	541.20	51.3	40.0	37.0
31.25	23.6	10.67	52.0	540.44	49.9	38.1	35.1

62.5	21.5	15.38	47.4	538.55	45.4	32.1	29.1
100	20.1	19.80	44.3	537.60	42.3	28.0	25.0
200	18.0	28.98	39.8	536.54	37.8	22.0	19.0
250	17.3	32.85	38.3	536.27	36.3	20.0	17.0

ORDERING INFORMATION

CL004C60U/UTP-PE	superiOrtec Cat6 U/UTP, 4-Pairs, 23AWG, PE Cable