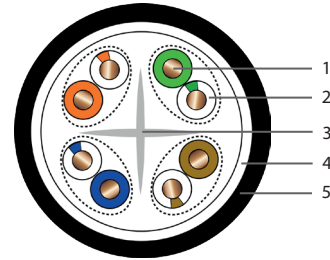
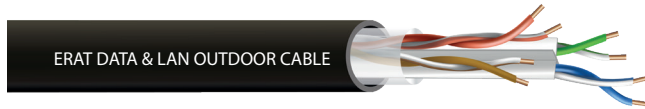


CAT 6 U-UTP 23 AWG OUTDOOR DATA CABLE

IEC 61156-5+A1



WHERE IT IS USED/ FEATURES	CABLE STRUCTURE
<p>ERAT CAT 6 Outdoor UV resistant, black PE sheathed cables, external Suitable for applications in severe conditions. Digital, analog voice, data, video and POE It is used to carry signals.</p> <p>ERAT CAT 6 U/UTP cables, cable carrying data at 250 MHz 1 Gbps/sec is the type. To minimize the interaction of cable pairs, It is sheathed using a separator. HFFR or different according to customer demand Outer casing is produced with different specifications.</p> <ul style="list-style-type: none"> • 1000BASE-TX Gigabit Ethernet • 1000BASE-T Gigabit Ethernet • ATM 155 / ATM 25 • 100BASE-T "Fast Ethernet" • 100BASE-T2/ 100BASE-T4 • 100BASE-TX • 10BASE-T Ethernet • ISDN, TPDDI, TP-PMD • Power Over Ethernet (PoE) 	<ol style="list-style-type: none"> 1. Copper Conductor 2. PE Insulation 3. Separator 4. Polyester Tape 5. Outer Jacket

PHYSICAL PROPERTIES	
Conductive	Solid, annealed copper
Conductor Diameter	23 AWG
Insulation	Polyolefin
Number of Insulated Conductors	8, twisted in 4 pairs
Polyester Tape Wrap	Polyester Tape provides 100% coverage
Outer Jacket	Resistant to outdoor conditions, fully compatible with PE Th and UV conditions
Jacket Color	Black. (Different colors can be produced according to customer demand.)
Cable information the text	Brand, Type of cable, Relevant standards, Date, Serial number, Meter

MECHANICAL AND ENVIRONMENTAL PROPERTIES	
Pulling Force	60 N / mm ² max
Bending Radius (Short Term)	4 x Cable Diameter
Bending Radius (Long Term)	8 x Cable Diameter
Operating Temperature	-40 to +80 °C
Installation Temperature	-10 to +60 °C
Storage Temperature	-40 to +80 °C

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PACKAGING & SIZE & WEIGHT		
Packaging Type	Outer Diameter (mm)	Approximate Weight (kg)
100 m Roll	6.3±0.3	3.7
305 m Box	6.3±0.3	13.1
500 m Plywood Reel	6.3±0.3	20.3
1000 m Plywood Reel	6.3±0.3	40.2

ELECTRICAL SPECIFICATIONS	
Characteristic Impedance	100±6 Ohm @ 1-250 MHz
DC Resistance	80 Ohm/km max.
Resistance Unbalance	2% max.
Capacitance	56 pF/m nom. @ 1 KHz
Capacity Imbalance (Wire to ground)	1600 pF/km max. @ 1 KHz.
Voltage	72 Vdc max.
Dielectric Strength	1.7 kV a.c. / 2 seconds
Velocity of Propagation (NVP)	Min. % 67 - 69
The Signal Transmission Time (Prop. Delay)	534 + 36/f ^{1/2} nS/100m max @ 1-250 MHz
Propagation Delay Skew	45 nS/100m max @ 1-250 MHz
Insulation Resistance	5000 MegaOhm·km min. @ 500 Vdc
Coupling attenuation	40 dB min @ 30-100 MHz 40-20Log(f/100) @100-250 MHz

Frequency (MHz)	Return Loss (dB)	Insertion Loss (dB)	NEXT Loss (dB)	PS NEXT Loss (dB)	ACRF (dB)
	Min.	Max.	Min.	Min.	Min.
1.00	19.1	1.9	65.0	62.0	64.2
4.00	21.0	3.5	64.1	61.8	52.1
8.00	21.0	5.0	59.4	57.0	46.1
10.00	21.0	5.5	57.8	55.5	44.2
16.00	20.0	7.0	54.6	52.2	40.1
20.00	19.5	7.9	53.1	50.7	38.2
25.00	19.0	8.9	51.5	49.1	36.2
31.25	18.5	10.0	50.0	47.5	34.3
62.50	16.0	14.4	45.1	42.7	28.3
100.00	14.0	18.6	41.8	39.3	24.2
200.00	11.0	27.4	36.9	34.3	18.2
250.00	10.0	31.1	35.3	32.7	16.2

ISOLATED COLORS							
Blue	Blue/White	Orange	Orange /White	Green	Green /White	Brown	Brown/White