



- A1 Copper Conductor
- A2 Copper Insulation
- A3 Separator (Star)
- A4 Outer Jacket

Standards

- ANSI/TIA/568.2-D
- IEC 61156-5 (ISO/IEC-11801 2.)

CENELEC EN 50288-5

PHYSICAL AND MECHANICAL PROPERTIES

Basic Conductor	Solid, 23AWG bare annealed copper
Conductor Size (mm)	0,55
Insulation :	Polyolefin
Number of insulated conductors :	8, twisted in 4 pairs
Color Code of Pairs :	Blue x White/Blue, Orange x White/Orange, Green x White/Green, Brown x White/Brown
Outer Jacket :	LS0H Halogen free flame retardant or PVC compound.
Standard Jacket Color :	Gray RAL 7001. Other colors available upon request.
Standard Surface Marking :	Includes ERAT P/N, cable description, Meter mark and Batch Number.
Pulling force :	50 N/mm2 max.
Short Term Bend Radius :	8xOD mm
Long Term Bend Radius :	4xOD mm
Temperature operating range :	-20 to +60C
Installation temperature range :	0 to +50C
Flame Test :	IEC 60332-1

ELECTRICAL SPECIFICATIONS

Characteristic Impedance	100±6 Ohm @ 1-250 MHz
DC Resistance	93.0 Ohm/Km max.
Resistance unbalance	2% max.
Capacitance	56 pF/m max. @ 1 KHz
Cap. Unbalance (wire to ground)	1600 pF/m max. @ 1 KHz.
Voltage rating	72 Vdc max.
Dielectric strength	1500 Volts/1 minute min rms
Velocity of Propagation (NVP)	67-69%
Propagation Delay	514 + 36/f ^{1/2} nS/100m max @ 1-300 MHz
Propagation Delay Skew	35 nS/100m max @ 1-300 MHz
Insulation Resistance	5000 MOhm•m min. @ 500 Vdc
Coupling attenuation	40 dB min @ 30-100 MHz 40-20Log(f/100) @100-300 MHz

ORDERING INFORMATION

Erat Product Number	Description	Weight (kg/km)	OD (mm)	Packaging
EDC-23C6ULHG-100RL	4x2x23# U/UTP CAT 6 LS0H	44	6.20 ±0.3	100m Roll 305m Box 500m Drum
EDC-23C6ULHG-305MK				
EDC-23C6ULHG-500MK				