



### Standards

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

PHYSICAL AND MECHANICAL PROPERTIES	
Basic Conductor	Foam, 23AWG bare annealed copper
Conductor Size (mm)	0,56
Insulation	Polyolefin
Number of insulated conductors	8, twisted in 4 pairs.
Color Code of Pairs	Blue x White, Orange x White, Green x White, Brown x White.
Individual pair shield	Laminated aluminum foil (foil face outward) providing 100% coverage.
Drain wire	None
Overall Shield	Tin coated copper braid laid in close contact over the inner foils
Outer Jacket	LS0H Halogen free flame retardant or PVC compound.
Standard Jacket Color	Gray RAL 7040. 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
Flame Test	IEC 60332-1

ELECTRICAL SPECIFICATIONS	
Characteristic Impedance	100±6 Ohm @ 1-500 MHz
DC Resistance	93 Ohm/Km max.
Resistance unbalance	2% max.
Capacitance	45 pF/m nom. @ 1 KHz
Cap. Unbalance (wire to ground)	1500 pF/Km max. @ 1 KHz.
Voltage rating	72 Vdc max.
Dielectric strength	1500 Volts/1 minute min rms
Velocity of Propagation (NVP)	78-80%
Propagation Delay Skew	45 nS/100m max @ 1-500 MHz
Insulation Resistance	5000 MegaOhm•Km min. @ 500 Vdc
Coupling attenuation	85 dB min @ 30-100 MHz 55-20Log(f/100) @100-500 MHz
Transfer Impedance	50 mOhm/m max @ 1 MHz. 100 mOhm/m max @ 10 MHz. 200 mOhm/m max @ 30 MHz. 1000 mOhm/m max @ 100 MHz.

ORDERING INFORMATION				
Erat Product Number	Description	Weight (kg/km)	OD (mm)	Packaging
EDC-23C6SFLHG-500MK	4x2x23# S/FTP CAT 6A LS0H Grey	62	7.7±0.3	500m Drum