



A1 Copper Conductor ● A2 Copper Insulation ● A3 Aluminum Foil ● A4 Copper Braid ● A5 Outer Jacket

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)	0,57
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 @ 1-600 MHz
DC Resistance	93.0 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	700 Volt/1 minute min rms
Velocity of Propagation (NVP)	77-80%
Propagation Delay Skew	25 nS/100m Maks @ 1-600 MHz
Insulation Resistance	5000 MegaOhm·Km min. @ 500 Vdc
Coupling attenuation	85 dB min @ 30-100 MHz 85-20Log(f/100) @ 100-600 MHz
Transfer Impedance	10 mOhm/m Max @ 1-30 MHz 30 MOhm/m Max @ 30-100 MHz

ORDERING INFORMATION				
Erat Product Number	Description	Weight (kg/km)	OD (mm)	Packaging
EDC-23C7SFLHG-500MK	CAT7 S/FTP 23 AWG 600 MHz LS0H Grey	65	8.±0.3	500m Drum