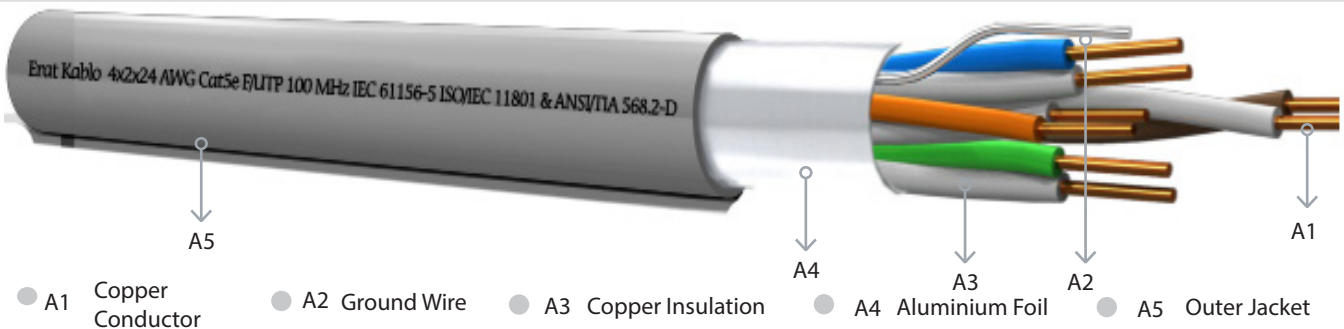




Standards

CAT5e ANSI/TIA/568.2-D

100 MHz CENELEC EN 50288-3

CAT5e IEC 61156-5 (ISO/IEC-11801 2.)

PHYSICAL AND MECHANICAL PROPERTIES	
Basic Conductor	Solid, 24 AWG, bare annealed copper
Conductor Size (mm)	0,52
Insulation :	Polyolefin
Number of insulated conductors :	8, twisted in 4 pairs. (8 pairs in FIG-8 cables)
Color Code of Pairs :	Blue x White/Blue, Orange x White/Orange, Green x White/Green, Brown x White/Brown
Drain wire	24 AWG solid tin-coated copper conductor laid in close contact under the shield.
Overall shield	Laminated aluminum foil (foil face in) providing 100% coverage.
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
Storage Temperature :	-20 to +80C
Temperature operating range	-20 to +60C
Installation temperature range:	0 to +50C
Flame Test :	IEC 60332-1

ELECTRICAL SPECIFICATIONS	
Characteristic Impedance	100±6 Ohm @ 1-100 MHz.
DC Resistance	93 Ohm/Km max.
Resistance unbalance	2% max.
Capacitance	47 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)	67-69%
Insulation Resistance	5000 MegaOhm•Km min. @ 500 Vdc
Coupling attenuation	55 dB min @ 30-100 MHz
Transfer Impedance	50 mOhm/m max. @ 1-30 MHz

ORDERING INFORMATION				
Erat Product Number	Description	Weight (kg/km)	OD (mm)	Packaging
EDC-24C5EFULHG-100RL	4x2x24# F/UTP CAT 5e LS0H Grey	44	6.0±0.3	100m Roll
EDC-24C5EFULHG-500MK				500m Drum