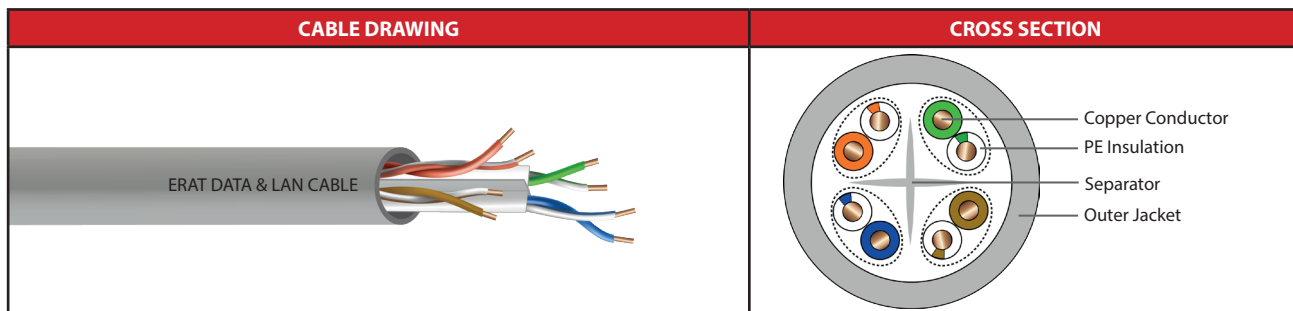


CAT 6 U/UTP 23 AWG Data Cable



MECHANICAL and PHYSICAL PROPERTIES			
Basic Conductor	Bare annealed copper	Surface Marking	As a customer request
Conductor Size	23 AWG	Pulling Force	50 N/mm2 max.
Insulation	Polyolefin	Short Term Bend Radius	8xOD mm
Number of Insulated Conductors	8, twisted in 4 pairs	Long Term Bend Radius	4xOD mm
Color Code of Pairs	Blue x White/Blue, Orange x White/Orange, Green x White/Green, Brown x White/Brown	Operating Temperature	-20 to +60C
Outer Jacket	LSZH or PVC compound	Installation Temperature	0 to +50C
Jacket Color	Gray. Other colors available upon request.	Storage Temperature	-20 to +80C

ELECTRICAL SPECIFICATIONS	
Characteristic Impedance	100±6 Ohm @ 1-250 MHz
DC Resistance	76 Ohm/Km max.
Resistance unbalance	2% max.
Capacitance	56 pF/m nom. @ 1 KHz
Cap. Unbalance (wire to ground)	1600 pF/Km max. @ 1 KHz.
Voltage rating	72 Vdc max.
Dielectric strength	1000 Volts/1 minute min rms
Velocity of Propagation (NVP)	67-69%
Propagation delay	514 + 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

ORDERING INFORMATION			
Product Code	Packaging	Approx. OD(mm)	Approx. Weight(kg/km)
EDMP1ER25501IFIUUT35R	100m Roll	6.2±0.3	4.7
EDMP1ER25501IFIUUT35K	305m Box	6.2±0.3	14.61
EDMP1ER25501IFIUUT35S	500m Drum	6.2±0.3	22.8
EDMP1ER25501IFIUUT35I	1000m Drum	6.2±0.3	45.2