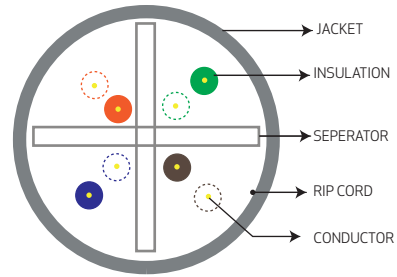
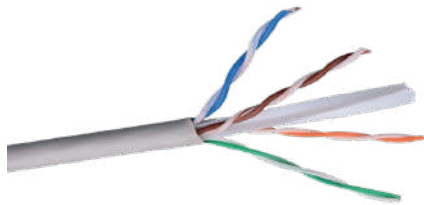


# CAT.6 UTP 4 PAIRS CABLE -24AWG - PVC



PART NO:RI7814A-05-305

DESCRIPTION:RAMCRO CAT6 U/UTP 4PAIR 24AWG PVC-GREY



## Construction

- Conductor : Solid Bare Copper
- Size : 24 AWG, 0.53mm ± 0.015mm
- Insulation Material : High Density Polyethylene - HDPE
- Number of Pairs : 4
- Pair Identification : Blue-Blue/White, Orange-Orange/White, Green-Green/White, Brown-Brown/White
- Jacket Material : PVC
- Jacket AVG.Thickness : 0.55±0.05mm
- Jacket Diameter : 6.1mm±0.3
- Rip Cord : Nylon
- Sheath Colour : RAL7035
- Impedance (Ω) @ 1-250 MHz : 100 ±15 Ω
- Delay Skew (ns/100m) : ≤ 45
- Nominal Velocity of Propagation (NVP) : 66%
- Min. Bend Radius : 8xD (Overall diameter)
- Max. Pulling Force (KG) : 11.5
- Packing Length (Meters) : 305 ± 1.5

## Electrical & Physical Characteristics

- Operating Temperature Range : -15°C to +70°C
- Max. DC Resistance (Ω/100m) : 9.38
- DC Conductor Resistance Unbalance (%) : 5.0
- Impedance (Ω) : 100 ± 15
- Mutual Capacitance (nF/100m) : < 5.6

## Standards

- ISO/IEC 11801
- ANSI/TIA-568-C
- IEC 61156-5
- EN 50173-1
- EN 50288-6-1

## Application

- Lan Cabling, CCTV and Security system

## Transmission Performance

Frequency (MHz)	RETURNLOSS (Min. dB)	ATT (Max. dB)	NEXT (Min. dB)	ACR-N (Min. dB)	PSNEXT (Min. dB)	ELFEXT (Min. dB)	PSELFEXT (Min. dB)
1	19.1	2.03	65.0	62.0	62.0	64.2	61.2
4	21.0	3.78	64.1	60.6	61.8	52.1	49.1
8	21.0	5.32	59.4	54.4	57.0	46.1	43.1
10	21.0	5.95	57.8	54.538	55.5	44.2	41.2
16	20.0	7.55	54.6	52.3	52.2	40.1	37.1
20	19.5	8.47	53.1	47.6	50.7	38.2	35.2
25	19.0	9.51	51.5	45.2	49.1	36.2	33.2
31.25	18.5	10.67	50.0	42.7	47.5	34.3	31.3
62.5	16.0	15.38	45.1	40.0	42.7	28.3	25.3
100	14.0	19.8	41.8	30.8	39.3	24.2	21.2
200	11.0	28.98	36.9	9.6	34.3	18.2	15.2
250	10.0	32.85	35.3	4.2	32.7	16.2	13.2