

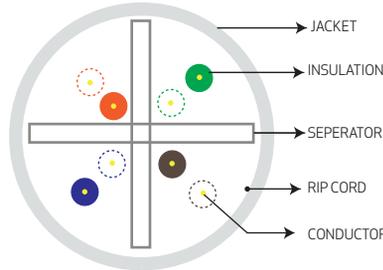
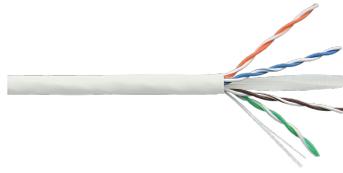
CAT.6 UTP 4 PAIRS CABLE-23AWG - PVC/LSZH

PART NO:R17965E-04-305

DESCRIPTION:RAMCRO CAT6 U/UTP 4PAIR 23AWG CABLE - PVC - WHITE

PART NO:R17965ENH

DESCRIPTION:RAMCRO CAT6 U/UTP 4PAIR 23AWG CABLE - LSZH - WHITE



Construction

- Conductor : Solid Bare Copper
- Size : 23 AWG X 4P, 0.55mm ± 0.015mm
- Insulation Material : High Density Polyetilene - HDPE
- Number of Pairs : 4
- Pair Identification : Blue-Blue/White, Orange-Orange/White, Green-Green/White, Brown-Brown/White
- Jacket Material : LSZH , PVC
- Jacket AVG.Thickness : 0.6 ± 0.05mm
- Jacket Diameter : 6.1 ± 0.3mm
- Rip Cord : Nylon
- Sheath Colour : RAL9003
- Limiting Oxygen Index (LOI) : min 30%
- Smoke Density : IEC 61034
- Amount of halogen acid gas : IEC 60754-1 (max 15%)
- Acidity (ph value) and conductivity : IEC 60754-1 (max 15%)
- Fire Propagation : IEC 60332-1 only for LSZH
- Test on single cable

Electrical & Physical Characteristics

- Operating Temperature Range : -15° C - +70° C
- DC Resistance per core at 20° C : 9.38 max (Ω/100m)
- Impedance (Ω) : 100 +/- 15
- DC Resisitance Unbalance(%) : 5

Standards

- Operating Temperature Range : ISO/IEC11801
- Low Voltage Directive : 2014/35/UE
- Other References : TIA/EIA-568-C.2

Application

- Lan Cabling



Transmission Performance

Frequency (MHz)	Return Loss (≥ dB)	ATTENUATION (≤ dB)	NEXT (≥ dB)	DELAY (≤ dB)	PSNEXT (≥ dB)	ELFEXT (≥ dB)	PSELFEXT (≥ dB)
1	20.0	2.03	74.3	570	72.3	67.8	64.8
4	23.0	3.78	65.3	552	63.3	55.8	52.8
8	24.5	5.32	60.8	546.73	58.8	49.7	46.7
10	25.0	5.95	59.3	545.38	57.3	47.8	44.8
16	25.0	7.55	56.2	543	54.2	43.7	40.7
20	25.0	8.47	54.8	542.05	52.8	41.8	38.8
25	24.3	9.51	53.3	541.2	51.3	39.8	36.8
31.25	23.6	10.67	51.9	540.44	49.9	37.9	34.9
62.5	21.5	15.38	47.7	538.55	45.4	31.9	28.9
100	20.1	19.8	44.3	537.6	42.3	27.8	24.8
200	18.0	28.98	39.8	536.54	37.8	21.8	18.8
250	17.3	32.85	38.3	536.27	36.3	19.8	16.8