

Product Specifications

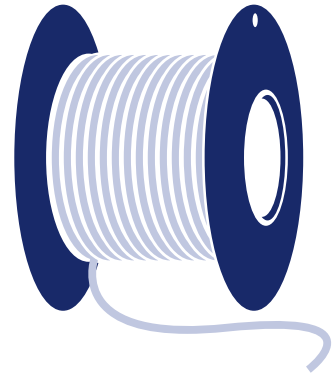
Product: L.A.N. CABLE - UTP 24AWG X 4P (Solid) CAT.5e PVC

Standard

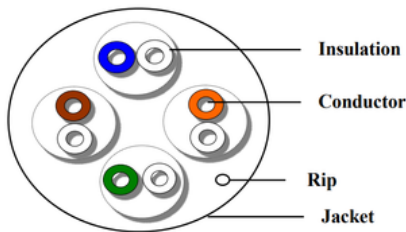
- UL444, ANSI/TIA-568.2-D

Application

LAN Cable Are Suitable for perfect AUDIO
DATA and VIDEO of transfer for Local Area
Network



Product figure



1. **Blue×White / Blue**
2. **Orange×White / Orange**
3. **Green×White / Green**
4. **Brown×White / Brown**

Construction & Dimension

Conductor

- **Size:** 24 AWG × 4P
- **Material:** Annealed Bare Copper
- **Construction:** 1 / 0.49 ± 0.01 mm

Insulation

- **Material:** HDPE
- **Minimum Average Thickness:** 0.19 mm
- **Minimum Thickness at any point:** 0.18 mm
- **Diameter:** 0.87 ± 0.03 mm

Core Assembly:

- **Core Twist:** 2 core twist
- **Slot:** N.A
- **Assembly Pair:** 4 pair assembly

Drain:

- N.A

Jacket:

- **Material:** PVC
- **Minimum Average Thickness:** 0.45 mm Minimum Thickness at any point: 0.43 mm
- **Overall Diameter (Approx.):** 5 ± 0.2 mm
- **Color:** GRAY OR OTHER COLOR

Electrical & Physical Properties:

- **Rating Temp:** 75 °C
- **Conductor** Resistance: 9.38 Ω/100 m 20 °C Max. Mutual Capacitance: 5.6 nF/m Max.
- **DC Resistance Unbalance:** 5% Max.
- **Pair-to-Ground Capacitance Unbalance:** 330 pF/100 m Max.
- **Dielectric Strength:** AC 1.5 kV / 2 sec
- **Spark Test:** 2.5 kV
- **Cold Bend Test:** -20 °C × 4 hrs No Crack
- **Installation temperature:** 0 °C to 60 °C
- **Operating temperature:** -20 °C to 60 °C
- **Minimum bending radius:** ≥ 4 times of overall diameter
- **Maximum pulling tension:** ≤ 110 N

Insulation

- **Unaged**
 - **Tensile Strength:** 2400 PSI Min. (1.68 kg/mm²)
 - **Elongation:** 300% Min.
- **Aged**
 - **Tensile Strength:** Min. 75% (100 °C × 48 hrs)
 - **Elongation:** Min. 75% (100 °C × 48 hrs)

Jacket

- **Unaged**
 - **Tensile Strength:** 2000 PSI Min. (1.41 kg/mm²)
 - **Elongation:** 100% Min.
- **Aged**
 - **Tensile Strength:** Min. 85% (100 °C × 240 hrs)
 - **Elongation:** Min. 50% (100 °C × 240 hrs)

Electrical Performance

MHz	R.L. MIN. (dB/100m)	Att. MAX. (dB/100m)	NEXT MIN. (dB/100m)	PSNEXT MIN. (dB/100m)	ACRF MIN. (dB/100m)	PSACRF MIN. (dB/100m)	Propagation Delay MAX. (ns/100m)	Delay Skew MAX. (ns/100m)
1	20	2	65.3	62.3	63.8	60.8	570	45
4	23	4	56.3	53.3	51.7	48.7	552	
8	24.5	5.8	51.8	48.8	45.7	42.7	546.7	
10	25	6.5	50.3	47.3	43.8	40.8	545.4	
16	25	8.2	47.3	44.3	39.7	36.7	543	
20	25	9.3	45.8	42.8	37.7	34.7	542	
25	24.3	10.4	44.3	41.3	35.8	32.8	541.2	
31.25	23.6	11.7	42.9	39.9	33.9	30.9	540.4	
62.5	21.5	17	38.4	35.4	27.8	24.8	538.6	
100	20.1	22	35.3	32.3	23.8	20.8	537.6	

Marking

010.03.70103X Class Eca U/UTP CAT.5E TYPE CM 24AWG 4PR SOLID 75°C CMG ETL VERIFIED ANSI/TIA-568.2-D PRESTAQ YYWW XXXM	Note 1: YYWW / YearWeek Note 2: Color / Inkjet (Black / White);(Other Color / Black)
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