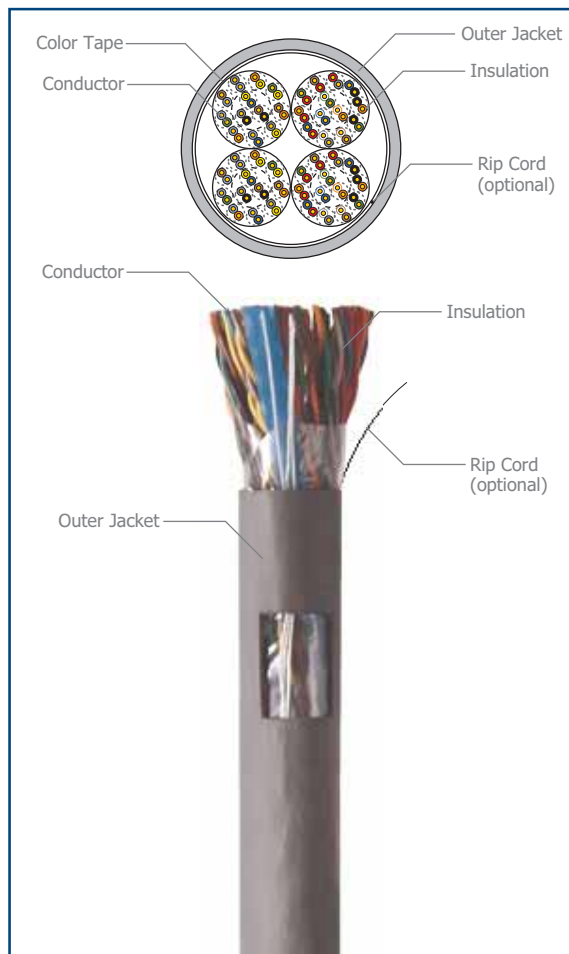


**50PR 24AWG U/UTP CAT3 / Part No.: LN-A5024AUC3**
**Description**

- Rated temperature: 75°C
- Reference Standard: UL Subject 444, EIA/TIA 568B & ISO/IEC 11801
- Solid bare copper conductor
- Colour-coded PE insulation
- Rip cord (optional)
- PVC or LSZH jacket
- Packaging: Reel

**Application**

- Telephony Voice Wiring
- 10 Base-T
- 100Base-T4
- Token Ring
- 100 VG-AnyLAN

**Product Figure**


\* Custom configuration is available upon request.

**Physical Characteristics**

<b>Structure</b>	<b>Construction</b>	U/UTP
	<b>Number of Pairs</b>	50 Pair
	<b>AWG</b>	24 AWG
	<b>Conductor Dimension (mm)</b>	0.493
	<b>Solid or Stranded; Bare or Tinned</b>	Solid bare copper
<b>Insulation</b>	<b>Insulation Material</b>	HDPE, FRPE
	<b>Insulation Dimension (mm)</b>	0.83
	<b>Number Colour (Ring or Strip Marking)</b>	-
<b>Shield</b>	<b>Cross Filler</b>	No
	<b>Individual Shield &amp; Material</b>	No
	<b>Outer Shield &amp; Material</b>	No
<b>Outer Jacket</b>	<b>Drain Wire</b>	No
	<b>Outer Jacket Material</b>	PVC or LSZH
	<b>Outer Jacket Ripcord</b>	Per customer request
<b>Mechanical Characteristics</b>	<b>Overall Nominal Diameter (mm)</b>	16mm
	<b>Operating Temp. Range</b>	-20~75°C
	<b>Bulk Cable Weight (KG)</b>	285KG
	<b>Max. Recommended Pulling Tension</b>	-
	<b>Min. Bend Radius (Install)</b>	128mm
	<b>Flame Test</b>	CMX, CM, CMG, CMR, IEC60332-1
	<b>Electrical Characteristics</b>	<b>Nom. Mutual Capacitance @ 1kHz</b>
	<b>Max. Capacitance Unbalance (pF/100m)</b>	≤ 330pF /100m
	<b>Nominal Velocity of Propagation</b>	65%
	<b>Max. Delay Skew (ns/100m)</b>	≤ 45ns /100M
	<b>Max. Conductor DC Resistance @ 20 Deg. C</b>	9.38Ω /100M(24AWG)
	<b>Max. DC Resistance Unbalance @ 20 Deg. C</b>	≤ 5%(Per TIA/EIA-568B.2) ≤ 3%(Per IEC 61156-2)
	<b>Max. Insulation Resistance (MΩ/km)</b>	150
	<b>Max. Operating Voltage-UL</b>	300V



**50PR 24AWG U/UTP CAT3 / Part No.: LN-A5024AUC3**
**TIA/EIA-568B.2 Electrical Characteristics**

Frequency (MHz)	Input Impedance (Ohms)	ATT (dB/100m)	SRL (dB)	NEXT (dB)	Delay (ns/100m)
0.772	100 ± 15	2.2	12	43	-
1	100 ± 15	2.6	12	41.3	570.0
4	100 ± 15	5.6	12	32.3	552.0
8	100 ± 15	8.5	12	27.8	546.7
10	100 ± 15	9.7	12	26.3	545.4
16	100 ± 15	13.1	10	23.3	543.0

**IEC-61156-2 Electrical Characteristics**

Frequency (MHz)	Impedance (Ohms)	ATT (dB/100m)	SRL (dB Min)	NEXT (dB Min)
1	100 ± 15	2.6	12.0	41
4	100 ± 15	5.6	12.0	32
10	100 ± 15	9.8	12.0	26
16	100 ± 15	13.1	10.0	23

