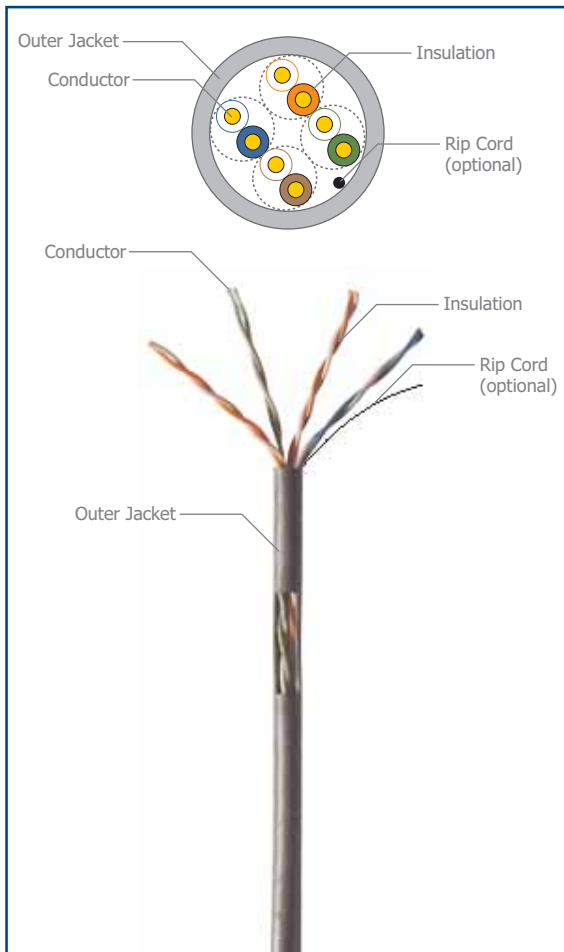


**4PR 24AWG U/UTP CAT5 / Part No.: LN-A0424AUC5**
**Description**

- Rated temperature: 75°C
- Reference Standard: UL Subject 444, EIA/TIA 568B.2 & ISO/IEC 11801
- Solid bare copper conductor
- Colour-coded PE insulation
- Rip cord (optional)
- PVC or LSZH jacket
- Packaging: Reelex Pull-out Box

**Application**

- 100 Base-T4
- 100Base-TX
- 100VG-AnyLAN
- 1000Base-T
- 1000Base-TX
- 155Mbps ATM
- 622Mbps ATM

**Product Figure**


\* Custom configuration is available upon request.

**Physical Characteristics**

<b>Structure</b>	<b>Construction</b>	U/UTP
	<b>Number of Pairs</b>	4 Pair
	<b>AWG</b>	24 AWG
	<b>Conductor Dimension (mm)</b>	0.505
<b>Insulation</b>	<b>Solid or Stranded; Bare or Tinned</b>	Solid bare copper
	<b>Insulation Material</b>	HDPE, FRPE
	<b>Insulation Dimension (mm)</b>	0.88
	<b>Number Colour (Ring or Strip Marking)</b>	1.White/Blue(Ring) & Blue 2.White/Orange(Ring) & Orange 3.White/Green(Ring) & Green 4.White/Brown(Ring) & Brown
<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>	4.8 ± 0.3
	<b>Operating Temp. Range</b>	-20~75°C
	<b>Bulk Cable Weight (KG)</b>	29KG
	<b>Max. Recommended Pulling Tension</b>	110N
	<b>Min. Bend Radius (Install)</b>	4 X O.D.
	<b>Flame Test</b>	CMX, CM, CMR
	<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	


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**Part No.: A0424AUC5**
**Ver: D1/08**

**4PR 24AWG U/UTP CAT5 / Part No.: LN-A0424AUC5**
**TIA/EIA-568B.2 Electrical Characteristics**

Frequency (MHz)	Input Impedance (Ohms)	ATT (dB/100m)	SRL (dB)	NEXT (dB/100m)	PD (ns)	SKEW (ns/100m)
0.772	100 ± 15	1.8	23.0	64.0	-	-
1	100 ± 15	2.0	23.0	62.3	570	45
4	100 ± 15	4.1	23.0	53.3	552	45
8	100 ± 15	5.8	23.0	48.8	547	45
10	100 ± 15	6.5	23.0	47.3	545	45
16	100 ± 15	8.2	23.0	44.3	543	45
20	100 ± 15	9.3	23.0	42.8	542	45
25	100 ± 15	10.4	22.0	41.3	541	45
31.25	100 ± 15	11.7	21.1	39.9	540	45
62.5	100 ± 15	17.0	18.1	35.4	539	45
100	100 ± 15	22.0	16.0	32.3	538	45

**IEC-61156-2 Electrical Characteristics**

Frequency (MHz)	Input Impedance (Ohms)	ATT (dB/100m)	SRL (dB)	NEXT (dB/100m)	PD Max(ns/100m)	SKEW (ns/100m)
1	100 ± 15	2.1	23.0	62.0	-	45
4	100 ± 15	4.3	23.0	53.0	567	45
8	100 ± 15	-	23.0	-	567	45
10	100 ± 15	6.6	23.0	47.0	567	45
16	100 ± 15	8.2	23.0	44.0	567	45
20	100 ± 15	9.2	23.0	42.0	567	45
25	100 ± 15	-	22.0	-	567	45
31.25	100 ± 15	11.8	21.1	40.0	567	45
62.5	100 ± 15	17.1	18.1	35.0	567	45
100	100 ± 15	22.0	16.0	32.0	567	45

