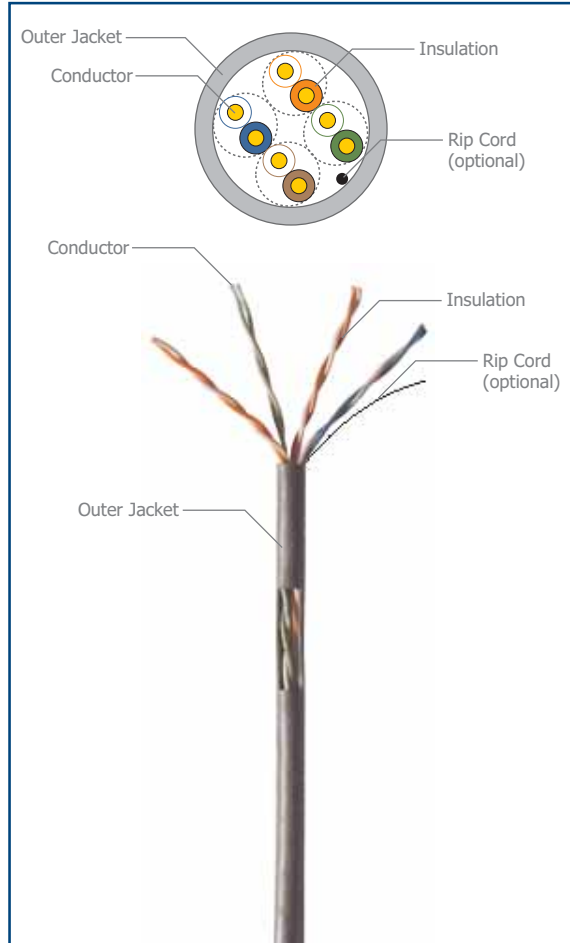


4PR 24AWG U/UTP CAT3 / Part No.: LN-A0424AUC3

Description	Application
<ul style="list-style-type: none"> Rated temperature: 75°C Reference Standard: UL Subject 444, EIA/TIA 568B.2 & ISO/IEC 11802 Solid bare copper conductor Colour-coded PE insulation Rip cord (optional) PVC or LSZH jacket Packagin: Reelex Pull-out Box 	<ul style="list-style-type: none"> 100 Base-T4 100Base-TX 100VG-AnyLAN 1000Base-T 1000Base-TX 155Mbps ATM 622Mbps ATM

Product Figure	Physical Characteristics																																																												
	<table border="1"> <tr> <td rowspan="4">Structure</td> <td>Construction</td> <td>U/UTP</td> </tr> <tr> <td>Number of Pairs</td> <td>4 Pair</td> </tr> <tr> <td>AWG</td> <td>24AWG</td> </tr> <tr> <td>Conductor Dimension (mm)</td> <td>0.493</td> </tr> <tr> <td rowspan="4">Insulation</td> <td>Solid or Stranded; Bare or Tinned</td> <td>Solid bare copper</td> </tr> <tr> <td>Insulation Material</td> <td>HDPE, FRPE</td> </tr> <tr> <td>Insulation Dimension (mm)</td> <td>0.83</td> </tr> <tr> <td>Number Colour (Ring or Strip Marking)</td> <td>1.White/Blue(Ring) & Blue 2.White/Orange(Ring) & Orange 3.White/Green(Ring) & Green 4.White/Brown(Ring) & Brown</td> </tr> <tr> <td rowspan="3">Shield</td> <td>Individual Shield & Material</td> <td>No</td> </tr> <tr> <td>Outer Shield & Material</td> <td>No</td> </tr> <tr> <td>Drain Wire</td> <td>No</td> </tr> <tr> <td rowspan="3">Outer Jacket</td> <td>Outer Jacket Material</td> <td>PVC or LSZH</td> </tr> <tr> <td>Outer Jacket Ripcord</td> <td>Per customer request</td> </tr> <tr> <td>Overall Nominal Diameter (mm)</td> <td>4.8 ± 0.3</td> </tr> <tr> <td rowspan="6">Mechanical Characteristics</td> <td>Operating Temp. Range</td> <td>-20~75°C</td> </tr> <tr> <td>Bulk Cable Weight (KG)</td> <td>29KG</td> </tr> <tr> <td>Max. Recommended Pulling Tension</td> <td>110N</td> </tr> <tr> <td>Min. Bend Radius (Install)</td> <td>4 X O.D.</td> </tr> <tr> <td>Flame Test</td> <td>CMX, CM, CMR</td> </tr> <tr> <td rowspan="6">Electrical Characteristics</td> <td>Nom. Mutual Capacitance @ 1kHz</td> <td>≤ 6.6nF /100M</td> </tr> <tr> <td>Max. Capacitance Unbalance (pF/100m)</td> <td>≤ 330pF /100M</td> </tr> <tr> <td>Nominal Velocity of Propagation</td> <td>65%</td> </tr> <tr> <td>Max. Delay Skew (ns/100m)</td> <td>≤ 45ns /100M</td> </tr> <tr> <td>Max. Conductor DC Resistance @ 20 Deg. C</td> <td>9.38Ω /100M(24AWG)</td> </tr> <tr> <td>Max. DC Resistance Unbalance @ 20 Deg. C</td> <td>≤ 5%(Per TIA/EIA-568B.2) ≤ 3%(Per IEC 61156-2)</td> </tr> <tr> <td>Max. Insulation Resistance (MΩ/km)</td> <td>150</td> </tr> <tr> <td>Max. Operating Voltage-UL</td> <td>300V</td> </tr> </table>	Structure	Construction	U/UTP	Number of Pairs	4 Pair	AWG	24AWG	Conductor Dimension (mm)	0.493	Insulation	Solid or Stranded; Bare or Tinned	Solid bare copper	Insulation Material	HDPE, FRPE	Insulation Dimension (mm)	0.83	Number Colour (Ring or Strip Marking)	1.White/Blue(Ring) & Blue 2.White/Orange(Ring) & Orange 3.White/Green(Ring) & Green 4.White/Brown(Ring) & Brown	Shield	Individual Shield & Material	No	Outer Shield & Material	No	Drain Wire	No	Outer Jacket	Outer Jacket Material	PVC or LSZH	Outer Jacket Ripcord	Per customer request	Overall Nominal Diameter (mm)	4.8 ± 0.3	Mechanical Characteristics	Operating Temp. Range	-20~75°C	Bulk Cable Weight (KG)	29KG	Max. Recommended Pulling Tension	110N	Min. Bend Radius (Install)	4 X O.D.	Flame Test	CMX, CM, CMR	Electrical Characteristics	Nom. Mutual Capacitance @ 1kHz	≤ 6.6nF /100M	Max. Capacitance Unbalance (pF/100m)	≤ 330pF /100M	Nominal Velocity of Propagation	65%	Max. Delay Skew (ns/100m)	≤ 45ns /100M	Max. Conductor DC Resistance @ 20 Deg. C	9.38Ω /100M(24AWG)	Max. DC Resistance Unbalance @ 20 Deg. C	≤ 5%(Per TIA/EIA-568B.2) ≤ 3%(Per IEC 61156-2)	Max. Insulation Resistance (MΩ/km)	150	Max. Operating Voltage-UL	300V
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* Custom configuration is available upon request.



4PR 24AWG U/UTP CAT3 / Part No.: LN-A0424AUC3
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

Specifications may change without notice.

