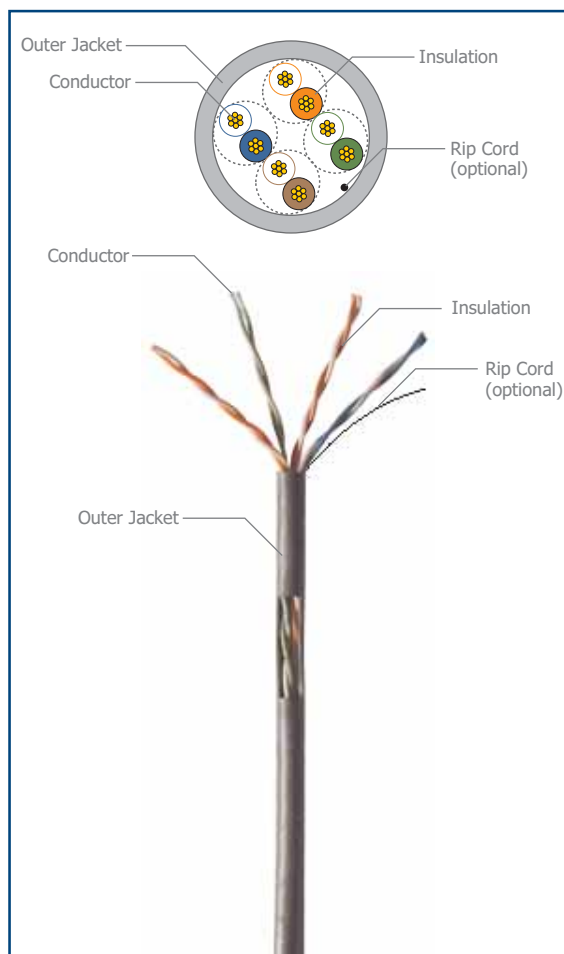


4PR 24AWG U/UTP CAT5 / Part No.: LN-A0424PUC5
Description

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

Application

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

Product Figure


* Custom configuration is available upon request.

Physical Characteristics

Structure	Construction	U/UTP
	Number of Pairs	4 Pair
	AWG	24AWG
	Conductor Dimension (mm)	7/0.2
Insulation	Solid or Stranded; Bare or Tinned	Stranded bare or tinned copper
	Insulation Material	HDPE, FRPE
	Insulation Dimension (mm)	0.985
	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	Cross Filler	No
	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)	24AWG UTP nom:5.3mm
Mechanical Characteristics	Operating Temp. Range	-20~75°C
	Bulk Cable Weight (KG)	32KG
	Max. Recommended Pulling Tension	110N
	Min. Bend Radius (Install)	4 X O.D.
	Flame Test	CMX, CM, CMG, CMR, IEC60332-1
Electrical Characteristics	Nom. Mutual Capacitance @ 1kHz	≤ 5.6nF /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	8.76Ω/100M(Bare Copper) 9.09Ω/100M(Tinner Copper)
	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



4PR 24AWG U/UTP CAT5 / Part No.: LN-A0424PUC5
TIA/EIA-568B.2 Electrical Characteristics

Frequency (MHz)	Input Impedance (Ohms)	ATT (dB/100m)	SRL (dB)	NEXT (dB Min)	PD Max (ns/100m)	SKEW (ns/100m)
0.772	100 ± 15	2.2	-	64.0	-	-
1	100 ± 15	2.4	23.0	62.3	570	45
4	100 ± 15	4.9	23.0	53.3	552	45
8	100 ± 15	7.0	23.0	48.8	547	45
10	100 ± 15	7.8	23.0	47.3	545	45
16	100 ± 15	9.8	23.0	44.3	543	45
20	100 ± 15	11.1	23.0	42.8	542	45
25	100 ± 15	12.5	23.0	41.3	541	45
31.25	100 ± 15	14.0	21.1	39.9	540	45
62.5	100 ± 15	20.4	18.1	35.4	539	45
100	100 ± 15	26.4	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

