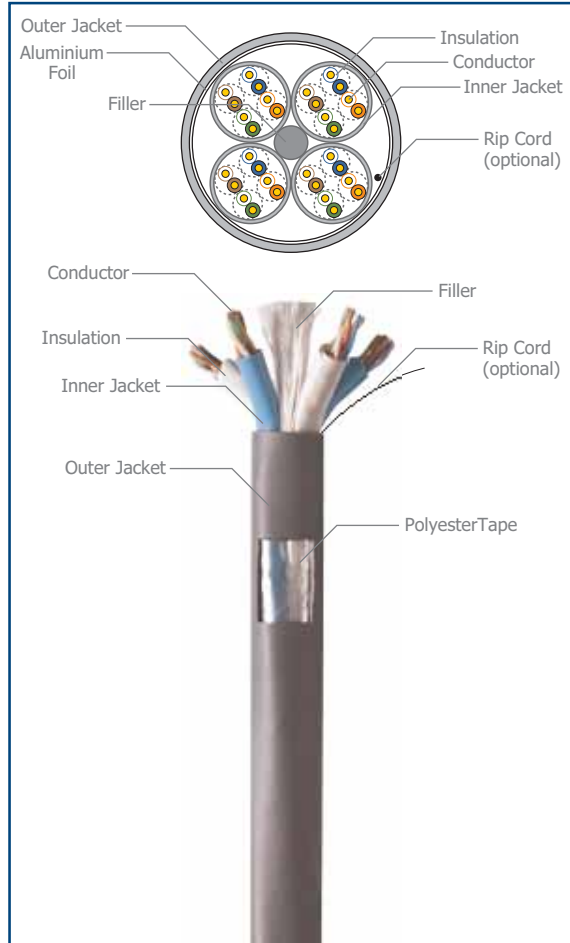


4X4PR 24AWG U/UTP CAT5E / Part No.: LN-C1624AU5E

Description	Application
<ul style="list-style-type: none"> Rated temperature: 75°C Reference Standard: UL Subject 444, EIA/TIA 568B.2 & ISO/IEC 11801, IEC 61156 Solid bare copper conductor Colour-coded PE insulation Rip cord (optional) PVC or LSZH jacket Packaging: Reel 	<ul style="list-style-type: none"> 100 Base-T4 100Base-TX 100VG-AnyLAN 1000Base-T 1000Base-TX 155Mbps ATM 622Mbps ATM Token Ring

Product Figure		Physical Characteristics		
		Structure	Construction	U/UTP
		Number of Pairs	16 Pair	
		AWG	24AWG	
		Conductor Dimension (mm)	0.525(24AWG)	
		Solid or Stranded; Bare or Tinned	Solid bare copper	
		Insulation	Insulation Material	HDPE, FRPE
			Insulation Dimension (mm)	0.92
			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
			Cross Filler	No
		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)	24AWG UTP nom:15.0mm
		Mechanical Characteristics	Operating Temp. Range	-20~75°C
			Bulk Cable Weight (KG)	195KG (24AWG)
			Max. Recommended Pulling Tension	110N
			Min. Bend Radius (Install)	6~8 X O.D.
			Flame Test	CMX, CM, CMG, CMR
		Electrical Characteristics	Nom. Mutual Capacitance @ 1kHz	≤ 5.6nF /100M
			Max. Capacitance Unbalance (pF/100m)	≤ 330pF/100M(Per TIA/EIA-568B.2) ≤ 160pF/100M(Per IEC 61156)
			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%
			Max. Insulation Resistance (MΩ/km)	5000
			Max. Operating Voltage-UL	300V

* Custom configuration is available upon request.



4X4PR 24AWG U/UTP CAT5E / Part No.: LN-C1624AU5E
TIA/EIA-568B.2 Electrical Characteristics

Frequency (MHz)	Impedance (Ohms)	ATT (dB/100m)	RL (dB Min)	NEXT (dB Min)	PSNEXT (dB Min)	ELFEXT (dB Min)	PSELFEXT (dB Min)	PD Max (ns/100m)	SKEW (ns/100m)	Hybrid PSNext (dB Min)
0.772	100 ± 15	1.8	19.4	67.0	64.0	66.0	63.0	575	45	65.0
1	100 ± 15	2.0	20.0	65.3	62.3	63.8	60.8	570	45	65.0
4	100 ± 15	4.1	23.0	56.3	55.3	51.7	48.7	552	45	59.3
8	100 ± 15	5.8	24.5	51.8	48.8	45.7	42.7	547	45	54.8
10	100 ± 15	6.5	25.0	50.3	47.3	43.8	40.8	545	45	53.3
16	100 ± 15	8.2	25.0	47.3	44.3	39.7	36.7	543	45	50.2
20	100 ± 15	9.3	25.0	45.8	42.8	37.7	34.7	542	45	48.8
25	100 ± 15	10.4	24.3	44.3	41.3	35.8	32.8	541	45	47.3
31.25	100 ± 15	11.7	23.6	42.9	39.9	33.9	30.9	540	45	45.9
62.5	100 ± 15	17.0	21.5	38.4	35.4	27.8	24.8	539	45	41.4
100	100 ± 15	22.0	20.1	35.3	32.3	23.8	20.8	538	45	38.3

IEC-61156-2 Electrical Characteristics

Frequency (MHz)	Impedance (Ohms)	ATT (dB/100m)	RL (dB Min)	NEXT (dB Min)	PSNEXT (dB Min)	ELFEXT (dB Min)	PSELFEXT (dB Min)	PD Max(ns/100m)	SKEW (ns/100m)
1	100 ± 15	-	-	-	-	64.0	61.0	570	45
4	100 ± 15	4.0	23.0	56.0	53.0	52.0	49.0	552	45
10	100 ± 15	6.3	24.5	50.0	47.0	45.9	42.9	545	45
16	100 ± 15	8.0	25.0	47.0	44.0	39.9	36.9	543	45
20	100 ± 15	9.0	25.0	46.0	43.0	38.0	35.0	542	45
31.25	100 ± 15	11.4	23.6	43.0	40.0	34.1	31.1	540	45
62.5	100 ± 15	16.5	21.5	38.0	35.0	28.1	25.1	539	45
100	100 ± 15	21.3	20.1	35.0	32.0	24.0	21.0	538	45

