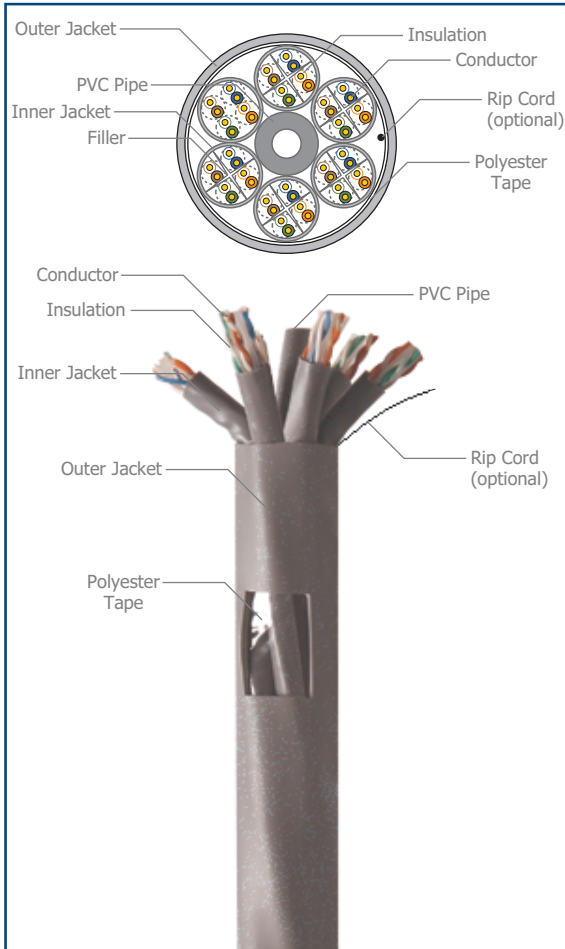


**6X4PR 23AWG U/UTP CAT6 / Part No.: LN-C2423AUC6**
**Description**

- Rated temperature: 75°C
- Reference Standard: UL Subject 444, EIA/TIA 568B.2-1 & ISO/IEC 11801, IEC 61156
- Solid bare 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

**Product Figure**


\* Custom configuration is available upon request.

**Physical Characteristics**

<b>Structure</b>	<b>Construction</b>	U/UTP
	<b>Number of Pairs</b>	24 Pair
	<b>AWG</b>	23 AWG
	<b>Conductor Dimension (mm)</b>	0.585(23AWG)
	<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>	1.03
	<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>Cross Filler</b>	Yes
<b>Shield</b>	<b>Individual Shield &amp; Material</b>	No
	<b>Outer Shield &amp; Material</b>	No
	<b>Drain Wire</b>	No
<b>Outer Jacket</b>	<b>Outer Jacket Material</b>	PVC or LSZH
	<b>Outer Jacket Ripcord</b>	Per customer request
	<b>Overall Nominal Diameter (mm)</b>	23AWG UTP nom:23mm
<b>Mechanical Characteristics</b>	<b>Operating Temp. Range</b>	-20~75°C
	<b>Bulk Cable Weight (KG)</b>	421KG (23AWG)
	<b>Max. Recommended Pulling Tension</b>	110N
	<b>Min. Bend Radius (Install)</b>	6~8 X O.D.
	<b>Flame Test</b>	CMX, CM, CMG, CMR
<b>Electrical Characteristics</b>	<b>Nom. Mutual Capacitance @ 1kHz</b>	≤ 5.6nF /100M
	<b>Max. Capacitance Unbalance (pF/100m)</b>	≤ 330pF/100M(Per TIA/EIA-568B.2) ≤ 160pF/100M(Per IEC 61156)
	<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>	7.32Ω /100M (23AWG)
	<b>Max. DC Resistance Unbalance @ 20 Deg. C</b>	≤ 5%
	<b>Max. Insulation Resistance (MΩ/km)</b>	5000
<b>Max. Operating Voltage-UL</b>	300V	



**6X4PR 23AWG U/UTP CAT6 / Part No.: LN-C2423AUC6**
**TIA/EIA-568B.2 Electrical Characteristics**

Frequency (MHz)	Input Impedance (Ohms)	ATT (dB/100m)	RL (dB Min)	NEXT (dB)	PSNEXT (dB)	ELEFEXT (dB)	PSELFEXT (dB)	PD (ns/100m)	Hybrid PSNEXT (dB Min)	DelaySkew (ns/100m)
0.772	100 ± 15	1.8	19.4	76.0	74.0	70.0	67.0	575.0	65	45
1	100 ± 15	2.0	20.0	74.3	72.3	67.8	64.8	570.0	65	45
4	100 ± 15	3.8	23.0	65.3	63.3	55.8	52.8	552.0	62	45
8	100 ± 15	5.3	24.5	60.8	58.8	49.7	46.7	546.7	58	45
10	100 ± 15	6.0	25.0	59.3	57.3	47.8	44.8	545.4	56	45
16	100 ± 15	7.6	25.0	56.2	54.2	43.7	40.7	543.0	53	45
20	100 ± 15	8.5	25.0	54.8	52.8	41.8	38.8	542.0	52	45
25	100 ± 15	9.5	24.3	53.3	51.3	39.8	36.8	541.2	50	45
31.25	100 ± 15	10.7	23.6	51.9	49.9	37.9	34.9	540.4	49	45
62.5	100 ± 15	15.4	21.5	47.4	45.4	31.9	28.9	538.6	44	45
100	100 ± 15	19.8	20.1	44.3	42.3	27.8	24.8	537.6	41	45
200	100 ± 22	29.0	18.0	39.8	37.8	21.8	18.8	536.5	37	45
250	100 ± 22	32.8	17.3	38.3	36.3	19.8	16.8	536.3	35	45

**IEC-61156-5 Electrical Characteristics**

Frequency (MHz)	Impedance (Ohms)	ATT (dB/100m)	RL (dB)	NEXT (dB)	PSNEXT (dB)	ELEFEXT (dB)	PSELFEXT (dB)	PD (ns/100m)	Hybrid PSNEXT (dB Min)	Hybrid PSELFEXT (dB Min)	DelaySkew (ns/100m)
1	100 ± 15	-	-	75.3	72	68.0	65.0	570.0	77	70	45
4	100 ± 15	3.8	23.0	66.3	63	56.0	53.0	552.0	68	58	45
8	100 ± 15	5.4	24.5	61.8	59	49.9	46.9	546.7	64	52	45
10	100 ± 15	6.0	25.0	60.3	57	48.0	45.0	545.4	62	50	45
16	100 ± 15	7.6	25.0	57.2	54	43.9	40.9	543.0	59	46	45
20	100 ± 15	8.5	25.0	55.8	53	42.0	39.0	542.0	58	44	45
25	100 ± 15	9.6	24.3	54.3	51	40.0	37.0	541.2	56	42	45
31.25	100 ± 15	10.7	23.6	52.9	50	38.1	35.1	540.4	55	40	45
62.5	100 ± 15	15.5	21.5	48.4	45	32.1	29.1	538.6	50	34	45
100	100 ± 15	19.9	20.1	45.3	42	28.0	25.0	537.6	47	30	45
200	100 ± 22	29.1	18.0	40.8	38	22.0	19.0	536.5	43	24	45
250	100 ± 22	33.0	17.3	39.3	36	20.0	17.0	536.3	41	22	45

