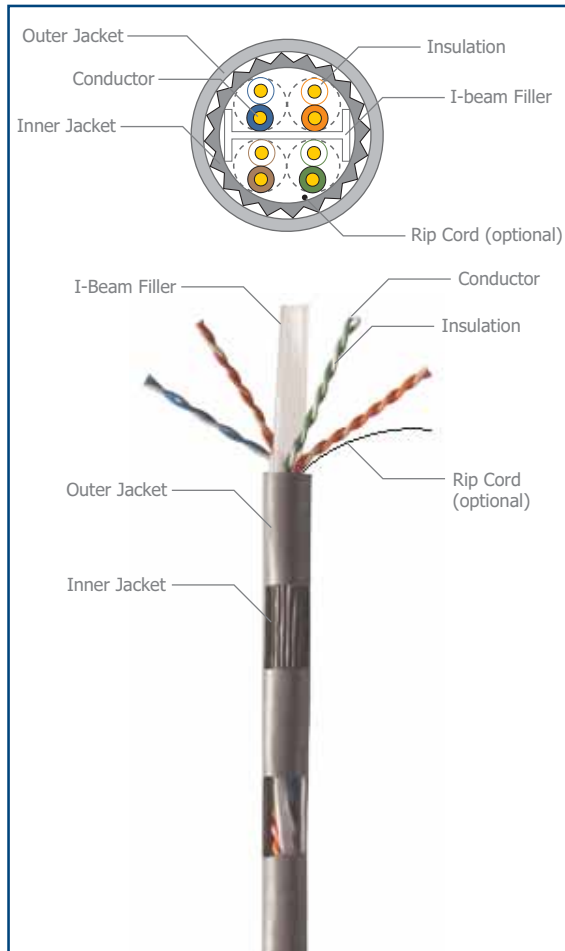


4PR 23AWG U/UTP CAT6A / Part No.: LN-A0423AU6A
Description

- Rated temperature: 75°C
- Reference standard: UL Subject 444, TIA-EIA-568-B.2-10 Draft 5.0 & ISO/IEC 11801, IEC 61156
- Solid bare or stranded copper conductor
- Colour-coded PE insulation
- Rip cord (optional)
- PVC or LSZH jacket
- Packaging: Reel, Reel in Box

Application

- IEE 802.3
- 10GBase-T

Product Figure


* Custom configuration is available upon request.

Physical Characteristics

Structure	Construction	U/UTP
	Number of Pairs	4 Pair
	AWG	23AWG
	Conductor Dimension (mm)	0.6(23AWG)
Insulation	Solid or Stranded; Bare or Tinned	Solid Bare Copper
	Insulation Material	HDPE, FRPE
	Insulation Dimension (mm)	1.05
	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	Yes
	Individual Shield & Material	No
	Outer Shield & Material	No
Outer Jacket	Drain Wire	No
	Outer Jacket Material	PVC or LSZH
	Outer Jacket Ripcord	Per customer request
Mechanical Characteristics	Overall Nominal Diameter (mm)	23AWG UTP nom: 9.5mm
	Operating Temp. Range	-20~75°C
	Bulk Cable Weight (KG)	76KG (23AWG)
	Max. Recommended Pulling Tension	110N
	Min. Bend Radius (Install)	40mm
	Flame Test	CMX, CM, CMG, CMR
	Electrical Characteristics	Nom. Mutual Capacitance @ 1kHz
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	7.32Ω /100M(23AWG)	
Max. DC Resistance Unbalance @ 20 Deg. C	≤ 5%	
Max. Insulation Resistance (MΩ/km)	5000	
Max. Operating Voltage-UL	300V	



4PR 23AWG U/UTP CAT6A / Part No.: LN-A0423AU6A
TIA/EIA 568-B.2 Electrical Characteristics

Frequency (MHz)	Input Impedance (Ohms)	ATT (dB/100m)	RL (dB)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	TCL (dB)	Delay (ns/100m)	PSANEXT (dB)	PSACCRF (dB)
4	100 ± 15	3.7	23.0	65.3	63.3	55.8	52.8	40.0	552.0	67.0	66.2
8	100 ± 15	5.2	24.5	60.8	58.8	49.7	46.7	40.0	546.7	67.0	60.1
10	100 ± 15	5.9	25.0	59.3	57.3	47.8	44.8	40.0	545.4	67.0	58.2
16	100 ± 15	7.4	25.0	56.2	54.2	43.7	40.7	38.0	543.0	67.0	54.1
20	100 ± 15	8.3	25.0	54.8	52.8	41.8	38.8	37.0	542.0	67.0	52.2
25	100 ± 15	9.3	24.3	53.3	51.3	39.8	36.8	36.0	541.2	67.0	50.2
31.25	100 ± 15	10.4	23.6	51.9	49.9	37.9	34.9	35.1	540.4	67.0	48.3
62.5	100 ± 15	14.9	21.5	47.4	45.4	31.9	28.9	32.0	538.6	65.6	42.3
100	100 ± 15	19.0	20.1	44.3	42.3	27.8	24.8	30.0	537.6	62.5	38.2
125	100 ± 25	21.4	19.4	42.8	40.8	25.9	22.9	29.0	537.2	61.0	36.3
200	100 ± 25	27.5	18.0	39.8	37.8	21.8	18.8	27.0	536.5	58.0	32.2
250	100 ± 25	31.0	17.3	38.3	36.3	19.8	16.8	26.0	536.3	56.5	30.2
300	100 ± 25	34.2	16.8	37.1	35.1	18.3	15.3	25.2	536.1	55.3	28.7
400	100 ± 25	40.0	15.9	35.3	33.3	15.8	12.8	24.0	535.8	53.5	26.2
500	100 ± 25	45.3	15.2	33.8	31.8	13.8	10.8	23.0	535.6	52.0	24.2

