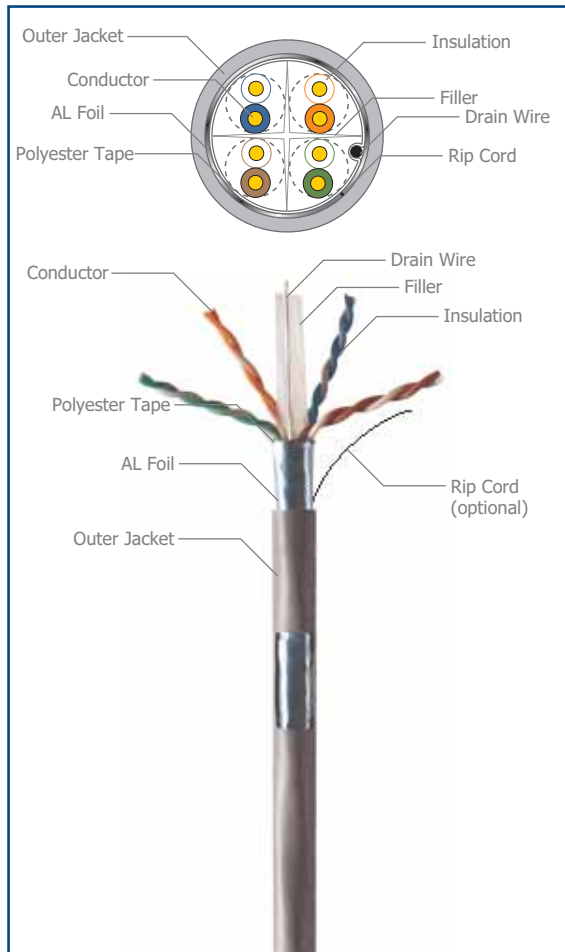


4PR 23AWG F/UTP CAT6 / Part No.: LN-A0423AFC6
Description

- Rated temperature: 75°C
- Reference standard: UL Subject 444, EIA/TIA 568B, 2-1& ISO/IEC 11801 ,IEC 61163
- Solid bare copper conductor
- Colour-coded PE insulation
- Rip cord (optional)
- PVC or LSZH jacket
- Packaging: Reel, Reel in Box

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

Structure	Construction	F/UTP
	Number of Pairs	4 Pair
	AWG	23AWG
	Conductor Dimension (mm)	0.585
Insulation	Solid or Stranded; Bare or Tinned	Solid Bare Copper
	Insulation Material	HDPE, FRPE
	Insulation Dimension (mm)	1.15
	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	Yes (AL-Foil)
Outer Jacket	Drain Wire	Yes (Tinned Copper)
	Outer Jacket Material	PVC or LSZH
	Outer Jacket Ripcord	Per customer request
Mechanical Characteristics	Overall Nominal Diameter (mm)	7.2 ± 0.3
	Operating Temp. Range	-20~75°C
	Bulk Cable Weight (KG)	47KG
	Max. Recommended Pulling Tension	110N
	Min. Bend Radius (Install)	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	7.32Ω /100M (23AWG)
	Max. DC Resistance Unbalance @ 20 Deg. C	≤ 5%(Per TIA/EIA-568B.2) ≤ 2%(Per IEC 61156-5)
Max. Insulation Resistance (MΩ/km)	5000	
Max. Operating Voltage-UL	300V	



4PR 23AWG F/UTP CAT6 / Part No.: LN-A0423AFC6
TIA/EIA-568B.2 Electrical Characteristics

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

IEC-61156-5 Electrical Characteristics

Frequency (MHz)	Input Impedance (Ohms)	ATT (dB/100m)	RL (dB)	NEXT (dB)	PSNEXT (dB)	ELEFEXT (dB)	PSELFEXT (dB)	PD (ns/100m)
1	100 ± 15	-	-	-	-	68.0	65.0	570.0
4	100 ± 15	3.8	23.0	66.3	63.3	56.0	53.0	552.0
8	100 ± 15	5.4	24.5	61.8	58.8	49.9	46.9	546.7
10	100 ± 15	6.0	25.0	60.3	57.3	48.0	45.0	545.4
16	100 ± 15	7.6	25.0	57.2	54.2	43.9	40.9	543.0
20	100 ± 15	8.5	25.0	55.8	52.8	42.0	39.0	542.0
25	100 ± 15	9.6	24.3	54.3	51.3	40.0	37.0	541.2
31.25	100 ± 15	10.7	23.6	52.9	49.9	38.1	35.1	540.4
62.5	100 ± 15	15.5	21.5	48.4	45.4	32.1	29.1	538.6
100	100 ± 15	19.9	20.1	45.3	42.3	28.0	25.0	537.6
200	100 ± 22	29.1	18.0	40.8	37.8	22.0	19.0	536.5
250	100 ± 22	33.0	17.3	39.8	36.3	20.0	17.0	536.3

