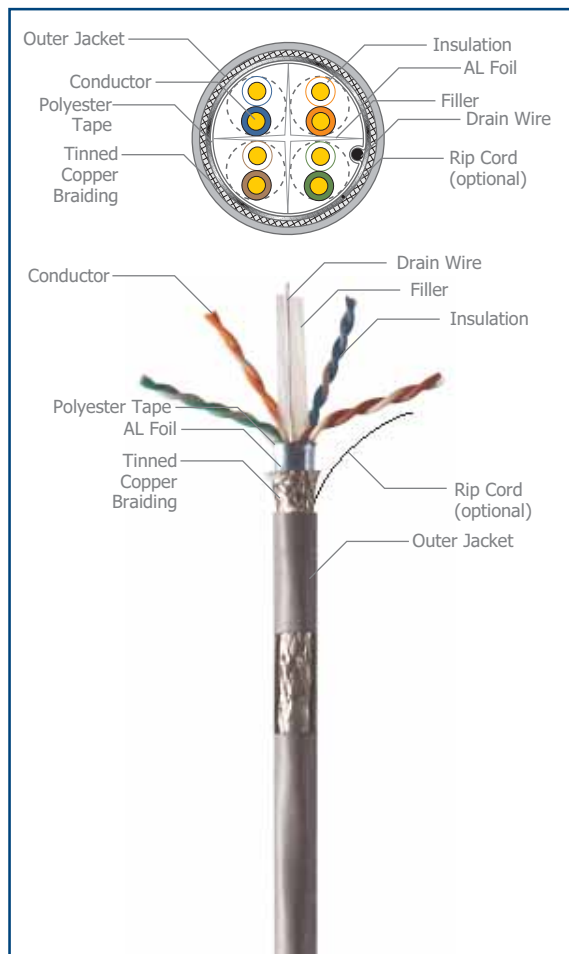


4PR 23AWG SF/UTP CAT6 / Part No.: LN-A0423ASC6

Description	Application
<ul style="list-style-type: none"> 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, Reel in Box 	<ul style="list-style-type: none"> 100 Base-T4 100Base-TX 100VG-AnyLAN 1000Base-T 1000Base-TX 155Mbps ATM 622Mbps ATM

Product Figure	Physical Characteristics
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* Custom configuration is available upon request.

Structure	Construction	SF/UTP
	Number of Pairs	4 Pair
	AWG	23 AWG
	Conductor Dimension (mm)	0.585
	Solid or Stranded; Bare or Tinned	Solid Bare Copper
Insulation	Insulation Material	HDPE, FRPE
	Insulation Dimension (mm)	1.18
	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	Yes
Shield	Individual Shield & Material	No
	Outer Shield & Material	Yes (AL-Foil + Copper Braiding)
	Drain Wire	Yes (Tinned Copper)
Outer Jacket	Outer Jacket Material	PVC or LSZH
	Outer Jacket Ripcord	Per customer request
	Overall Nominal Diameter (mm)	8.0 ± 0.3
Mechanical Characteristics	Operating Temp. Range	-20~75°C
	Bulk Cable Weight (KG)	71KG
	Max. Recommended Pulling Tension	110N
	Min. Bend Radius (Install)	8 x O.D.
	Flame Test	CMX, CM, CMG, CMR
	Nom. Mutual Capacitance @ 1kHz	≤ 5.6nF / 100M
Electrical Characteristics	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 SF/UTP CAT6 / Part No.: LN-A0423ASC6
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

