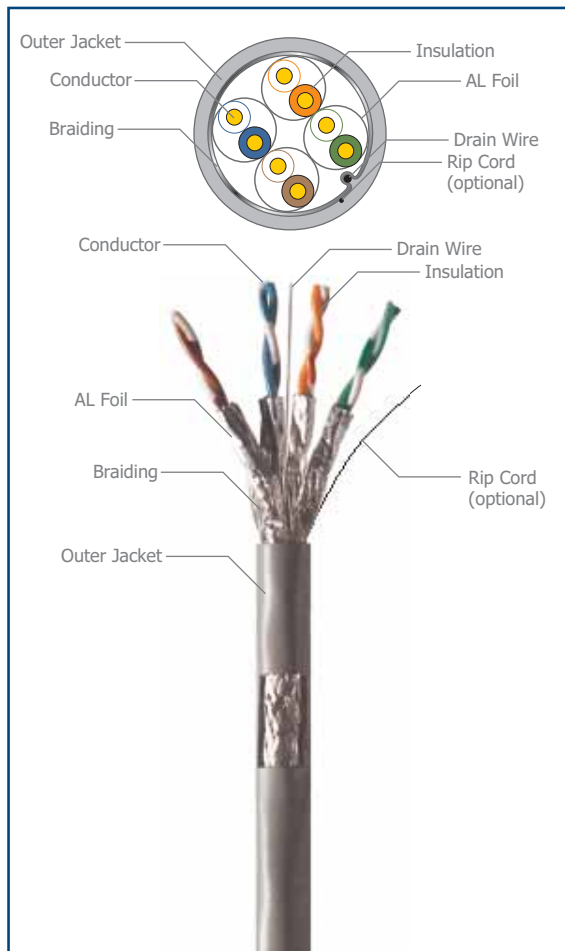


4PR 23AWG S/FTP CAT7A / Part No.: LN-A0423AP7A
Description

- Rated temperature: 75°C
- Reference standard: UL Subject 444, EIA/TIA 568B & ISO/IEC 11801, IEC 61156-5_46C/816/FDIS
- 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	S/FTP
	Number of Pairs	4 Pair
	AWG	23 AWG
	Conductor Dimension (mm)	0.585
Insulation	Solid or Stranded; Bare or Tinned	Solid bare copper
	Insulation Material	HDPE, FRPE
	Insulation Dimension (mm)	1.4
Shield	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
	Individual Shield & Material	Yes (AL-Foil)
	Outer Shield & Material	Yes (Copper Braiding)
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)	7.7 ± 0.3
	Operating Temp. Range	-20~75°C
	Bulk Cable Weight (KG)	59KG
	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
Max. Capacitance Unbalance (pF/100m)	≤ 160pF /100M (Per IEC 61156)	
Nominal Velocity of Propagation	65%	
Max. Delay Skew (ns/100m)	≤ 25ns /100M	
Max. Conductor DC Resistance @ 20 Deg. C	7.32Ω /100M(23AWG)	
Max. DC Resistance Unbalance @ 20 Deg. C	≤ 2%(Per IEC 61156-7)	
Max. Insulation Resistance (MΩ/km)	5000	
Max. Operating Voltage-UL	300V	



4PR 23AWG S/FTP CAT7A / Part No.: LN-A0423AP7A
IEC-61156-7 Electrical Characteristics

Frequency (MHz)	Input Impedance (Ohms)	ATT (dB/100m)	RL (dB)	NEXT (dB)	PSNEXT (dB)	FEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	TCL (dB)	PD (ns/100m)	SKEW (ns/100m)
1	-	-	-	-	-	-	-	-	-	-	-
4	100 ± 15	3.5	23.0	78.0	75.0	70.0	78.0	75.0	34.0	552.0	25
10	100 ± 15	5.4	25.0	78.0	75.0	70.0	74.0	71.0	30.0	545.4	25
16	100 ± 15	6.8	25.0	78.0	75.0	70.0	69.9	66.9	28.0	543.0	25
20	100 ± 15	7.6	25.0	78.0	75.0	70.0	68.0	65.0	27.0	542.0	25
31.25	100 ± 15	9.6	23.6	78.0	75.0	70.0	64.1	61.1	25.1	540.4	25
62.5	100 ± 15	13.7	21.5	78.0	75.0	70.0	58.1	55.1	22.0	538.6	25
100	100 ± 15	17.5	20.1	76.0	73.0	70.0	54.0	51.0	20.0	537.6	25
150	100 ± 22	21.7	18.9	73.4	70.4	70.0	50.5	47.5	18.2	536.9	25
200	100 ± 25	25.3	18.0	71.5	68.5	70.0	48.0	45.0	17.0	536.5	25
250	100 ± 25	28.5	17.3	70.0	67.0	70.0	46.0	43.0	-	536.3	25
300	100 ± 25	31.5	17.3	68.8	65.8	70.0	44.5	41.5	-	536.1	25
600	100 ± 25	46.3	17.3	64.3	61.3	70.0	38.4	35.4	-	535.5	25
800	100 ± 25	54.5	16.1	62.5	59.5	70.0	35.9	32.9	-	535.3	25
1000	100 ± 25	62.0	15.1	61.0	58.0	70.0	34.0	31.0	-	535.1	25
1200	100 ± 25	69.0	14.3	59.8	56.8	70.0	32.4	29.4	-	535.0	25

