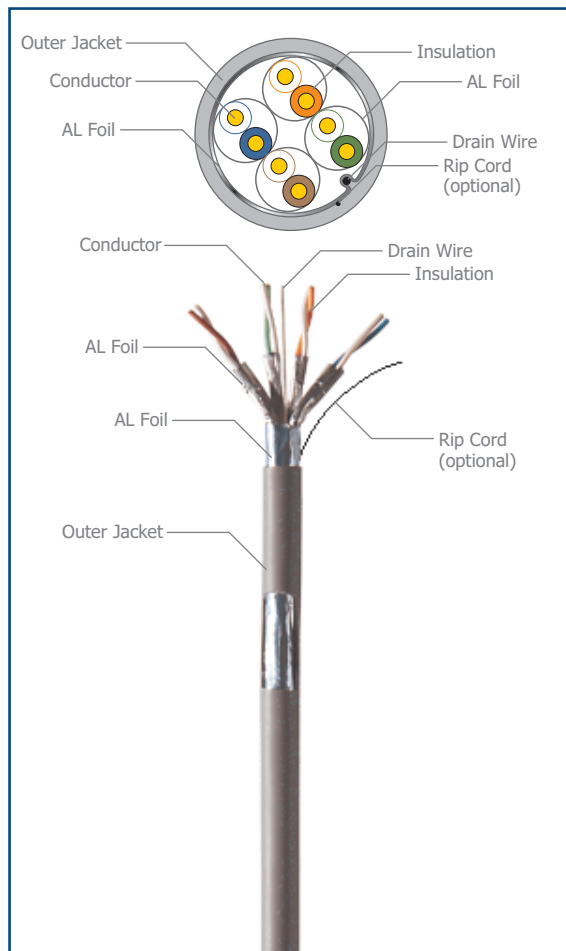


4PR 23AWG F/FTP CAT7 / Part No.: LN-A0423ADC7
Description

- Rated temperature: 75°C
- Reference standard: UL Subject 444, EIA/TIA 568B & 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

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/FTP
	Number of Pairs	4 Pair
	AWG	23AWG
	Conductor Dimension (mm)	0.585
	Solid or Stranded; Bare or Tinned	Solid Bare Copper
Insulation	Insulation Material	HDPE, FRPE
	Insulation Dimension (mm)	1.4
	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
Shield	Individual Shield & Material	Yes (AL-Foil)
	Outer Shield & Material	Yes (AL-Foil)
	Drain Wire	Yes (Tinned Copper)
Outer Jacket	Outer Jacket Material	PVC or LSZH
	Outer Jacket Ripcord	Per customer request
	Overall Nominal Diameter (mm)	7.5 ± 0.3
Mechanical Characteristics	Operating Temp. Range	-20~75°C
	Bulk Cable Weight (KG)	54KG
	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)	≤ 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 61156-5)
	Max. Insulation Resistance (MΩ/km)	5000
Max. Operating Voltage-UL	300V	



4PR 23AWG F/FTP CAT7 / Part No.: LN-A0423ADC7
IEC-61156-5 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	100 ± 15	-	-	78.0	75.0	70.0	78.0	75.0	40.0	-	-
4	100 ± 15	3.7	23.0	78.0	75.0	70.0	78.0	75.0	34.0	552.0	25
10	100 ± 15	5.9	25.0	78.0	75.0	70.0	74.0	71.0	30.0	545.4	25
16	100 ± 15	7.4	25.0	78.0	75.0	70.0	69.9	66.9	28.0	543.0	25
20	100 ± 15	8.3	25.0	78.0	75.0	70.0	68.0	65.0	27.0	542.0	25
25	100 ± 15	9.3	24.3	78.0	75.0	70.0	66.0	63.0	26.0	541.2	25
31.25	100 ± 15	10.4	23.6	78.0	75.0	70.0	64.1	61.1	25.1	540.4	25
62.5	100 ± 15	14.9	21.5	75.5	72.5	70.0	58.1	55.1	22.0	538.6	25
100	100 ± 15	19.0	20.1	72.4	69.4	70.0	54.0	51.0	20.0	537.6	25
150	100 ± 22	23.6	18.9	69.8	66.8	70.0	50.5	47.5	18.2	536.9	25
200	100 ± 22	27.5	18.0	67.9	64.9	70.0	48.0	45.0	17.0	536.5	25
250	100 ± 25	31.0	17.3	66.4	63.4	70.0	46.0	43.0	-	536.3	25
300	100 ± 25	34.2	17.3	65.2	62.2	70.0	44.5	41.5	-	536.1	25
600	100 ± 25	50.1	17.3	60.7	57.7	70.0	38.4	35.4	-	535.5	25


Linkz International Limited

6/F, Photonics Centre, 2 Science Park East Avenue, Hong Kong Science Park, Shatin, Hong Kong.
 Tel: (852) 2425 4399 Fax: (852) 2418 1627 Email: sales@linkzindustries.com Website: http://www.linkzindustries.com

Part No.: A0423ADC7
Ver: D1/08