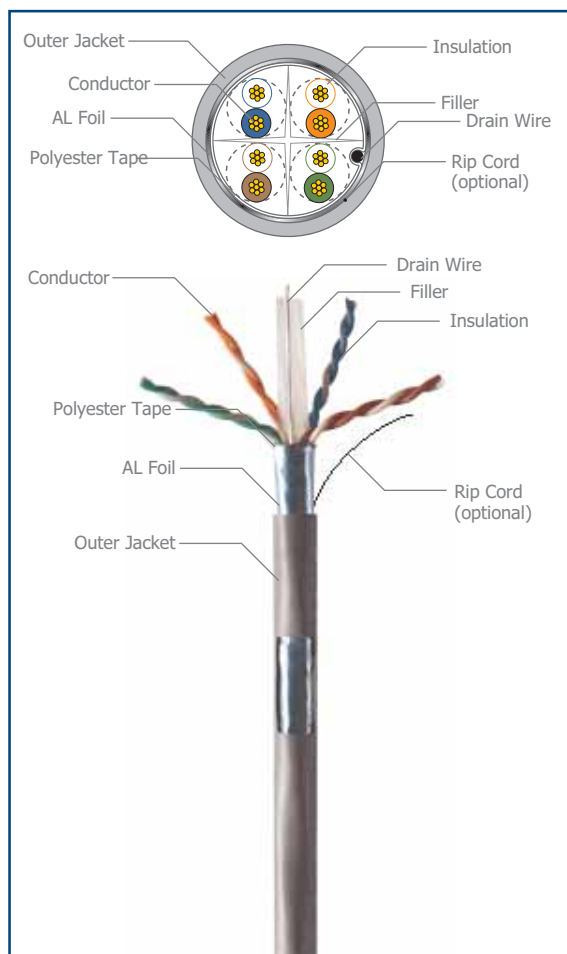


4PR 26AWG F/UTP CAT6 / Part No.: LN-A0426PFC6
Description

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

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	26AWG
	Conductor Dimension (mm)	7/0.16
	Solid or Stranded; Bare or Tinned	Stranded bare or tinned copper
Insulation	Insulation Material	HDPE, FRPE
	Insulation Dimension (mm)	0.86
	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)
	Drain Wire	Yes (Tinned Copper)
Outer Jacket	Outer Jacket Material	PVC or LSZH
	Outer Jacket Ripcord	Per customer request
	Overall Nominal Diameter (mm)	Nom: 5.8mm
Mechanical Characteristics	Operating Temp. Range	-20~75°C
	Bulk Cable Weight (KG)	39KG
	Max. Recommended Pulling Tension	110N
	Min. Bend Radius (Install)	8 x O.D.
	Flame Test	CMX, CM, CMG, CMR, IEC60332-1
	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	14Ω/100M(Bare Copper) 14.5Ω/100M(Tinned Copper)
	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


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Part No.: A0426PFC6
Ver: D1/08

4PR 26AWG F/UTP CAT6 / Part No.: LN-A0426PFC6
TIA/EIA-568-B.2 Electrical Characteristics

Frequency (MHz)	Input Impedance (Ohms)	ATT (dB/100m)	RL (dB Min)	NEXT (dB Min)	PSNEXT (dB Min)	ELEFEXT (dB Min)	PSELFEXT (dB Min)	PD (ns/100m)	SKEW (ns/100m)
0.772	100 ± 15	-	19.4	76.0	74.0	70.0	67.0	-	-
1	100 ± 15	-	20.0	74.3	72.3	67.8	64.8	570	45
4	100 ± 15	6.1	23.0	65.3	63.3	55.8	52.8	552	45
8	100 ± 15	8.6	24.5	60.8	58.8	49.7	46.7	547	45
10	100 ± 15	9.7	25.0	59.3	57.3	47.8	44.8	545	45
16	100 ± 15	12.4	25.0	56.2	54.2	43.7	40.7	543	45
20	100 ± 15	13.9	25.0	54.8	52.8	41.8	38.8	542	45
25	100 ± 15	15.6	24.2	53.3	51.3	39.8	36.8	541	45
31.25	100 ± 15	17.6	23.3	51.9	50.9	37.9	34.9	540	45
62.5	100 ± 15	25.5	20.7	47.4	45.4	31.9	28.9	539	45
100	100 ± 15	33.0	19.0	44.3	42.3	27.8	24.8	538	45
200	100 ± 22	48.6	16.4	39.8	37.8	21.8	18.8	537	45
250	100 ± 22	55.3	15.6	38.3	36.3	19.8	16.8	536	45

IEC-61156-6 Electrical Characteristics

Frequency (MHz)	Input Impedance (Ohms)	ATT (dB/100m)	RL (dB Min)	NEXT (dB Min)	PSNEXT (dB Min)	ELEFEXT (dB Min)	PSELFEXT (dB Min)	PD (ns/100m)	SKEW (ns/100m)
4	100 ± 15	5.8	23.0	66.3	63.3	56.0	53.0	552	45
8	100 ± 15	8.1	24.5	61.8	58.8	49.9	46.9	547	45
10	100 ± 15	9.0	25.0	60.3	57.3	48.0	45.0	545	45
16	100 ± 15	11.4	25.0	57.2	54.2	43.9	40.9	543	45
20	100 ± 15	12.8	25.0	55.8	52.8	42.0	39.0	542	45
25	100 ± 15	14.4	24.2	54.3	51.3	40.0	37.0	541	45
31.25	100 ± 15	16.1	23.3	52.9	49.9	38.1	35.1	540	45
62.5	100 ± 15	23.3	20.7	48.4	45.4	32.1	29.1	539	45
100	100 ± 15	29.9	19.0	45.3	42.3	28.0	25.0	538	45
150	100 ± 22	37.4	17.5	42.7	39.7	24.5	21.5	537	45
200	100 ± 22	43.8	16.4	40.8	37.8	22.0	19.0	537	45
250	100 ± 22	49.7	15.6	39.3	36.3	20.0	17.0	536	45


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