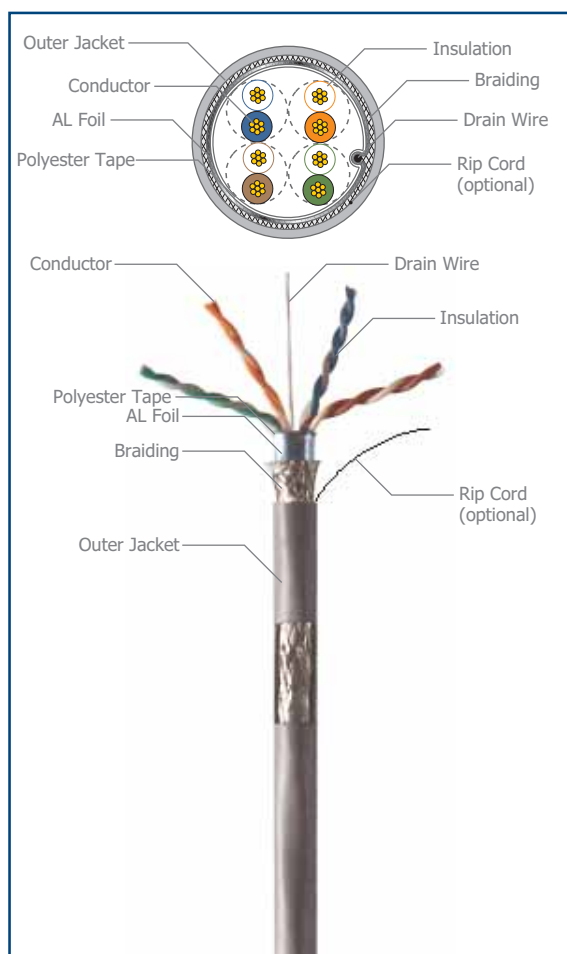


4PR 26AWG SF/UTP CAT5E / Part No.: LN-A0426PS5E
Description

- 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
- Token Ring

Product Figure


* Custom configuration is available upon request.

Physical Characteristics

Structure	Construction	SF/UTP
	Number of Pairs	4 Pair
	AWG	26AWG
	Conductor Dimension (mm)	7/0.16
Insulation	Solid or Stranded; Bare or Tinned	Stranded bare or tinned copper
	Insulation Material	HDPE, FRPE
	Insulation Dimension (mm)	0.8
	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	No
	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)	nom: 5.6mm
	Operating Temp. Range	-20~75°C
Mechanical Characteristics	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.: A0426PS5E
Ver: D1/08

4PR 26AWG SF/UTP CAT5E / Part No.: LN-A0426PS5E
TIA/EIA-568-B.2 Electrical Characteristics

Frequency (MHz)	Impedance (Ohms)	ATT (dB/100m)	RL (dB Min)	NEXT (dB Min)	PSNEXT (dB Min)	ELFEXT (dB Min)	PSELFEXT (dB Min)	PD Max(ns/100m)	SKEW (ns/100m)
0.772	100 ± 15	-	-	67.0	64.0	-	-	-	45
1	100 ± 15	-	20.0	65.3	62.3	63.8	60.8	570	45
4	100 ± 15	6.1	23.0	56.3	53.3	51.8	48.8	552	45
8	100 ± 15	8.6	24.5	51.8	48.8	45.7	42.7	547	45
10	100 ± 15	9.7	25.0	50.3	47.3	43.8	40.8	545	45
16	100 ± 15	12.4	25.0	47.2	44.2	39.7	36.7	543	45
20	100 ± 15	13.9	25.0	45.8	42.8	37.8	34.8	542	45
25	100 ± 15	15.6	24.3	44.3	41.3	35.8	32.8	541	45
31.25	100 ± 15	17.6	23.6	42.9	39.9	33.9	30.9	540	45
62.5	100 ± 15	25.5	21.5	38.4	35.4	27.9	24.9	539	45
100	100 ± 15	33.0	20.1	35.3	32.3	23.8	20.8	538	45

IEC-61156-6 Electrical Characteristics

Frequency (MHz)	Impedance (Ohms)	ATT (dB/100m)	RL (dB Min)	NEXT (dB Min)	PSNEXT (dB Min)	ELFEXT (dB Min)	PSELFEXT (dB Min)	PD Max(ns/100m)	SKEW (ns/100m)
1	100 ± 15	-	-	-	-	-	-	-	-
4	100 ± 15	6.0	23.0	56.3	53.3	52.0	49.0	552	45
8	100 ± 15	8.5	24.5	51.8	48.8	45.9	42.9	547	45
10	100 ± 15	9.5	25.0	50.3	47.3	44.0	41.0	545	45
16	100 ± 15	12.1	25.0	47.2	44.2	39.9	36.9	543	45
20	100 ± 15	13.5	25.0	45.8	42.8	38.0	35.0	542	45
25	100 ± 15	15.2	24.2	44.3	41.3	36.0	33.0	541	45
31.25	100 ± 15	17.1	23.3	42.9	39.9	34.1	31.1	540	45
62.5	100 ± 15	24.8	20.7	38.4	35.4	28.1	25.1	539	45
100	100 ± 15	32.0	19.0	35.3	32.3	24.0	21.0	538	45

