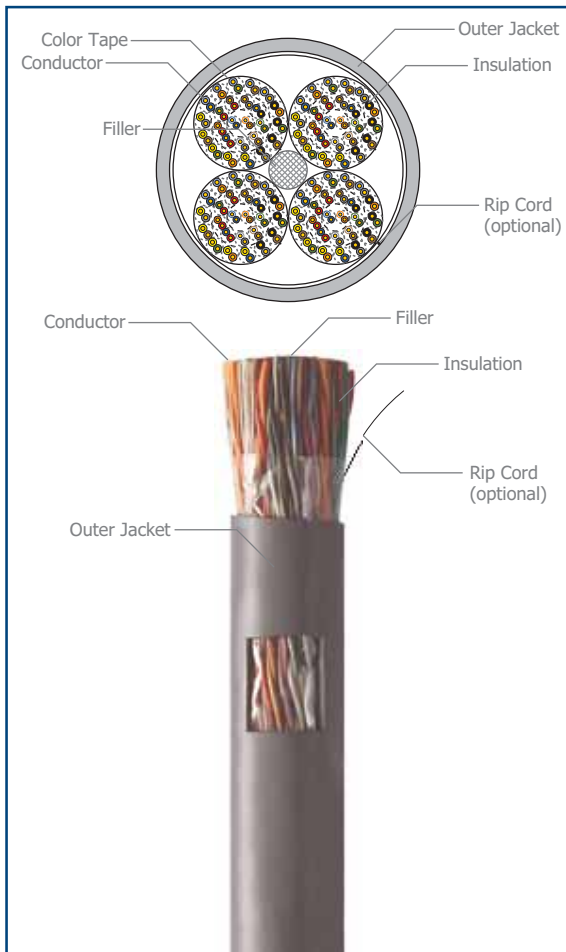


100PR 24AWG U/UTP CAT3 / Part No.: LN-AA124AUC3
Description

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

Application

- Telephony Voice Wiring
- 10 Base-T
- 100Base-T4
- Token Ring
- 100 VG-AnyLAN

Product Figure


* Custom configuration is available upon request.

Physical Characteristics

Structure	Construction	U/UTP
	Number of Pairs	100 Pair
	AWG	24 AWG
	Conductor Dimension (mm)	0.493
	Solid or Stranded; Bare or Tinned	Solid bare copper
Insulation	Insulation Material	HDPE, FRPE
	Insulation Dimension (mm)	0.83
	Number Colour (Ring or Strip Marking)	-
Shield	Cross Filler	No
	Individual Shield & Material	No
	Outer Shield & Material	No
Outer Jacket	Drain Wire	No
	Outer Jacket Material	PVC or LSZH
	Outer Jacket Ripcord	Per customer request
Mechanical Characteristics	Overall Nominal Diameter (mm)	23mm
	Operating Temp. Range	-20~75°C
	Bulk Cable Weight (KG)	510KG
	Max. Recommended Pulling Tension	-
	Min. Bend Radius (Install)	184mm
Electrical Characteristics	Flame Test	CMX, CM, CMG, CMR, IEC60332-1
	Nom. Mutual Capacitance @ 1kHz	≤ 6.6nF /100M
	Max. Capacitance Unbalance (pF/100m)	≤ 330pF /100m
	Nominal Velocity of Propagation	65%
	Max. Delay Skew (ns/100m)	≤ 45ns /100M
	Max. Conductor DC Resistance @ 20 Deg. C	9.38Ω /100M(24AWG)
	Max. DC Resistance Unbalance @ 20 Deg. C	≤ 5%(Per TIA/EIA-568B.2) ≤ 3%(Per IEC 61156-2)
	Max. Insulation Resistance (MΩ/km)	150
Max. Operating Voltage-UL	300V	



100PR 24AWG U/UTP CAT3 / Part No.: LN-AA124AUC3
TIA/EIA-568B.2 Electrical Characteristics

Frequency (MHz)	Input Impedance (Ohms)	ATT (dB/100m)	SRL (dB)	NEXT (dB)	Delay (ns/100m)
0.772	100 ± 15	2.2	12	43	-
1	100 ± 15	2.6	12	41.3	570.0
4	100 ± 15	5.6	12	32.3	552.0
8	100 ± 15	8.5	12	27.8	546.7
10	100 ± 15	9.7	12	26.3	545.4
16	100 ± 15	13.1	10	23.3	543.0

IEC-61156-2 Electrical Characteristics

Frequency (MHz)	Impedance (Ohms)	ATT (dB/100m)	SRL (dB Min)	NEXT (dB Min)
1	100 ± 15	2.6	12.0	41
4	100 ± 15	5.6	12.0	32
10	100 ± 15	9.8	12.0	26
16	100 ± 15	13.1	10.0	23

