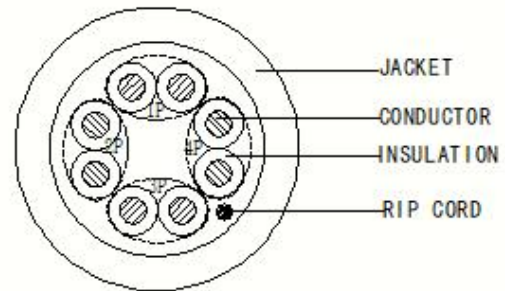


# Linoya Category 5e Unscreened Twisted Pair (UTP) Cable

ETL, CPR Verified

Category 5e Compliant • TIA/EIA 568-C.2 • EN50173 • ISO/IEC 11801

RoHS



## Construction

Conductor (导体)	Size (尺寸)	24AWG
	Material (材质)	Solid Bare Copper
	Nom. O.D (导体线径)	0.500 ± 0.005 mm
Insulation (绝缘)	Material (材质)	HDPE
	Nom. O.D (绝缘线径)	0.88 ± 0.1 mm
	Minimum Thickness (平均厚度)	0.19mm(REF)
	Color (颜色)	1P.White & Brown / Brown
		2P.White & Blue / Blue
3P.White & Orange/ Orange 4P.White & Green / Green		
Filler (填充)	Material (材质) construction (结构)	Rip-Cord 3*250D
Central Element (中心元件)	O.D (绞合外径)	/
Outside-Tape Wrap (内部包装)	Material (材质)	/
Drain Wire (地线)	Material (材质) Nom. O.D (导体线径)	/
Outside Tape Wrap (外部包装)	Material (材质)	/
Braid Material (编织)	Material (材质) Nom. O.D (导体线径)	/
Jacket (外被)	Outer Sheath (外护套)	LSZH
	Average Thickness (平均厚度)	0.50 ± 0.05 mm
	Overall Diameter (线径)	4.90 ± 0.35mm
	Color (颜色)	Optional
Sheath Printing (外被喷字)	Color (颜色)	Black or White
	Marking (喷字)	



## Features

- Category 5e Compliant • TIA/EIA 568-C.2 • EN50173 • ISO IEC 11801
- ETL, CPR Verified
- Length 100M/305M/500M
- Bare Copper
- LSZH
- Carton Packaging/Wooden Reel
- Unscreened Construction Specified to 100Mhz

## Physical Characters/Electric Characters

Physical Characters (物理性能)	Sheath Normal Temp Tensile Strength 老化前护套抗张强度(Mpa )	≥10.0
	Sheath Normal Temp Elongation 老化前护套伸长率(%)	≥125
	Insulation Normal Temp Tensile Strength 老化前绝缘抗张强度(Mpa )	≥16
	Insulation Normal Temp Elongation 老化前绝缘伸长率(%)	≥300
	Aging Condition 老化条件(°C×Hrs)	100°C±2°C, 24h, 7d
	Sheath After Aging Tensile Strength 老化后护套抗张强度(Mpa )	≥8.0
	Sheath After Aging Elongation 老化后护套伸长率(%)	≥100
	Temperature Rating 额定温度°C	-20°C — + 75°C
	Cold Bend( 20±2°C×4小时) 冷弯	8×Cable O.D., No visible cracks



## Transfer Characteristics

MHZ	RL ≥dB	ATT ≤dB	NEXT ≥dB	ACRF ≥dB	PS NEXT dB	PS ACRF dB	Delay ns
1.00	19.0	2.1	60.0	58.6	57.0	55.6	521
4.00	19.0	3.9	54.8	46.6	51.8	43.6	504
8.00	19.0	5.5	50.0	40.6	47.0	37.5	500
10.00	19.0	6.2	48.5	38.6	45.5	35.6	498
16.00	19.0	7.9	45.2	34.5	42.2	31.5	496
20.00	19.0	8.9	43.7	32.6	40.7	29.6	495
25.00	18.0	10.0	42.1	30.7	39.1	27.7	495
31.25	17.1	11.2	40.5	28.7	37.5	25.7	494
62.50	14.1	16.2	35.7	22.7	32.7	19.7	492
100.00	12.0	21.0	32.3	18.6	29.3	15.6	491

## Typical Applications

- 1000BASE-T Gigabit Ethernet
- 100BASE-TX Fast Ethernet
- 622 Mbps ATM
- 155 Mbps ATM
- Composite Video

DATE	2022-12-7	EDITION	A	SPEC NO	TX-024A120701
CHECK		APPROVER		DESIGNER	ZWZ

