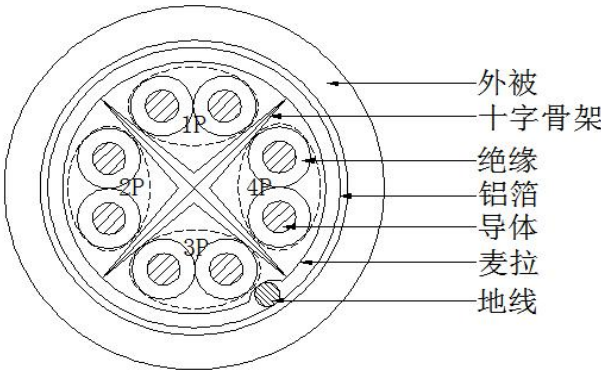


Linoya Category 6 Screened Twisted Pair (F/UTP) Cable

ETL, CPR Verified

Category 6 Compliant•TIA/EIA 568- C.2•EN50173 •
ISO/IEC 11801•YD/T 1019

RoHS



Construction

Conductor (导体)	Size (尺寸)	23AWG
	Material (材质)	Solid Bare Copper
	Nom. O.D (导体线径)	0.580 ± 0.008 mm
Insulation (绝缘)	Material (材质)	HDPE
	Nom. O.D (绝缘线径)	1.17±0.1 mm
	Minimum Thickness (平均厚度)	0.29 mm(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)	/
Central Element (中心元件)	O.D (绞合外径)	5.8mm (REF)+CROSS
Outside-Tape Wrap (内部包装)	Material (材质)	MYLAR
Drain Wire (地线)	Material (材质)	Tinned Solid Copper Conductor
	Nom. O.D (导体线径)	1/0.500 ± 0.007
Outside Tape Wrap (外部包装)	Material (材质)	AL-MYLAR
Braid Material (编织)	Material (材质)	/
	Nom. O.D (导体线径)	/
Jacket (外被)	Outer Sheath (外护套)	LSZHPVC
	Average Thickness (平均厚度)	. 0 70 ±0 05 mm
	Overall Diameter (线径)	8.00 ±0.5mm
	Color (颜色)	Grey
Sheath Printing (外被喷字)	Color (颜色)	Black
	Marking (喷字)	



Features

- Category 6 Compliant •TIA/EIA 568-C.2•EN50173•ISO IEC 11801•YD/T 1019
- ETL, CPR Verified
- Length 100M/305M/500M
- Bare Copper
- PVC/LSZH
- Carton Packaging/Wooden Reel
- Screened Construction Specified to 250Mhz

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)	≥13.5
	Sheath Normal Temp Elongation 老化前护套伸长率(%)	≥150
	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(℃×Hrs)	100℃±2℃， 24h， 7d
	Sheath After Aging Tensile Strength 老化后护套抗张强度(Mpa)	≥12.5
	Sheath After Aging Elongation 老化后护套伸长率(%)	≥125
	Temperature Rating 额定温度℃	-20℃— + 75℃
	Cold Bend(-20±2℃×4小时) 冷弯	8×Cable O.D.， No visible cracks

Electric Characters (电气性能)	Characteristic Impedance (Ω) 1.0-100.0Mhz特性阻抗(Ω)	100±15
	Propagation Delay (Ns/100m) 1.0-100.0Mhz时延差	≤45
	Direct Current Resistance 直流电阻20℃(Ω/100m) Max	9.5
	Direct Current Resistance Unbalance 直流电阻不平衡(%)Max	Internal pair:2%、 Between pairs:4%
	Insulation Resistance 绝缘电阻 (MΩ Km)	≥5000
	Mutual Capacitance Of a Pair 线对工作电容(Nf/100m)	Not required
	Capacitance Unbalance 电容不平衡(Pf/100m)	≤160



Transfer Characteristics

MHZ	RL ≥dB	ATT ≤dB	NEXT ≥dB	ACRF ≥dB	PS NEXT dB	PS ACRF dB	Delay ns
1.00	19.1	3.0	65.0	64.2	62.0	61.2	521
4.00	21.0	3.5	64.1	52.1	61.8	49.1	504
8.00	21.0	5.0	59.4	46.1	57.0	43.1	500
10.00	21.0	5.5	57.8	44.2	55.5	41.2	498
16.00	20.0	7.0	54.6	40.1	52.2	37.1	496
20.00	19.5	7.9	53.1	38.2	50.7	35.2	495
25.00	19.0	8.9	51.5	36.2	49.1	33.2	495
31.25	18.5	10.0	50.0	34.3	47.5	31.3	494
62.50	16.0	14.4	45.1	28.3	42.7	25.3	492
100.00	14.0	18.6	41.8	24.2	39.3	21.2	491
200.00	11.0	27.4	36.9	18.2	34.3	15.2	490
250.00	10.0	31.1	35.3	16.2	32.7	13.2	490

Typical Applications

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

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CHECK		APPROVER		DESIGNER	LLL

