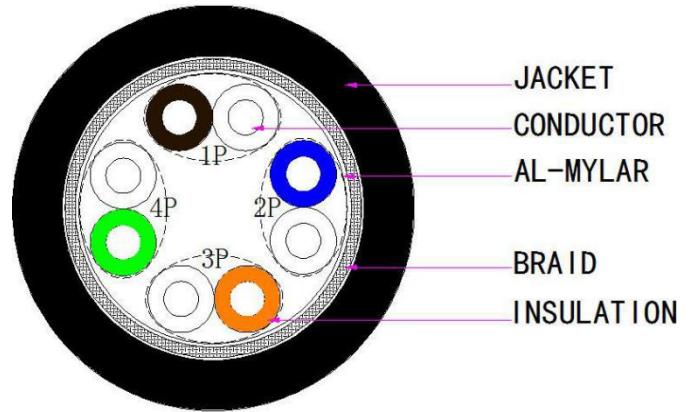


Linoya Category 8 S/FTP Screened Twisted Pair Cable

ETL, CPR Verified

Category 8 Compliant • TIA/EIA 568-C.2 • EN50173 • ISO/IEC

RoHS



Features

- Category 8 Compliant • TIA/EIA 568-C.2 • EN50173 • ISO/IEC 11801
- ETL, CPR Verified
- Length 100M/305M/500M
- Bare Copper
- PVC/LSZH/PE
- Carton Packaging/Wooden Reel
- Screened Construction Specified to 2000Mhz

Construction

Conductor (导体)	Size (尺寸)	22 AWG
	Material (材质)	Solid Bare Copper
	Nom. O.D (导体线径)	0.62±0.008mm
Insulation (绝缘)	Material (材质)	FOPE
	Nom. O.D (绝缘线径)	1.56±0.10 mm
	Minimum Thickness (平均厚度)	0.47 mm
	Color (颜色)	1P. White / Brown 2P. White / Blue 3P. White / Orange 4P. White / Green
Outside-Tape Wrap (外部包装)	Material (材质)	AL-MYLAR
Drain Wire (地线)	Material (材质)	/
	Nom. O.D (导体线径)	/
Braid Material (编织)	Material (材质)	Tinned Solid Copper
	Nom. O.D (导体线径)	16/6/0.10±0.01
Jacket (外被)	Outer Sheath (外护套)	PVC/LSZH/PE
	Average Thickness (平均厚度)	0.65±0.05mm
	Overall Diameter (线径)	8.20 ± 0.35 mm
	Color (颜色)	Optional
Sheath Printing (外被喷字)	Color (颜色)	Black & White
	Marking (喷字)	



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)	≥10
	Insulation Normal Temp. Elongation 老化前绝缘伸长率(%)	≥200
	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)	≥12.5
	Sheath after aging Elongation 老化后护套伸长率(%)	≥125
	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

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°C(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

Typical Applications

- 100BASE-TX Fast Ethernet
- Composite Video
- Token Ring
- 622 Mbps ATM
- 1000BASE-T Gigabit Ethernet
- 55 Mbps ATM



Transfer Characteristics

MHZ	RL ≥dB	ATT ≤dB/100m	NEXT≥ dB/100m	ACRF≥ dB/100m	PS NEXT dB/100m	PS ACRF dB/100m
1.0	19.0	3.0	65.0	65.0	62.0	62.0
4.0	19.0	3.0	63.8	59.9	60.5	56.9
8.0	19.0	3.0	58.9	53.9	55.6	50.9
10.0	19.0	3.0	57.3	52.0	54.0	49.0
16.0	18.0	3.0	53.9	47.9	50.6	44.9
20.0	17.5	3.0	52.3	45.9	49.0	42.9
25.0	17.0	3.2	50.7	44.0	47.3	41.0
31.3	16.5	3.6	49.1	42.1	45.7	39.1
62.5	16.0	5.1	44.0	36.0	40.6	33.0
100.0	16.0	6.5	40.5	32.0	37.1	29.0
200.0	14.3	9.3	35.3	25.9	31.9	22.9
250.0	13.4	10.4	33.6	24.0	30.2	21.0
300.0	12.7	11.5	32.3	22.4	28.8	19.4
400.0	11.6	13.3	30.1	19.9	26.6	16.9
500.0	10.7	15.0	27.9	18.0	24.8	15.0
600.0	10.0	16.5	25.7	16.4	22.7	13.4
1000.0	8.0	22.0	1.3	12.0	16.5	9.0
1500.0	8.0	27.7	13.9	8.4	11.2	5.4
2000.0	8.0	32.7	9.8	5.9	7.3	2.9

