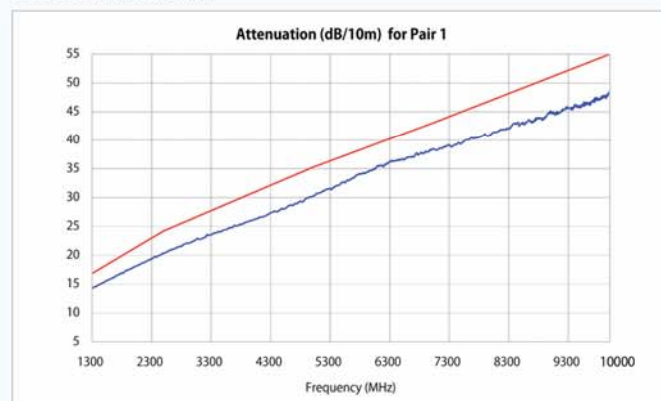


## Test Performance 测试表现

LTK's Lightskew™ series SFP cables offer the electrical characteristics required for even the most demanding communications solutions. They are tested in our world-class facilities using advanced equipment like Bandwidth Oscilloscope and TDR modules to ensure outstanding performance in the field.

乐庭的Lightskew™ SFP电线系列·提供最高规格的电器特性·特别适用于通信设备解决方案。电缆产品通过厂房世界级的测试仪器如频宽示波器·TDR组件等·以保证卓越表现。

### Attenuation 衰减



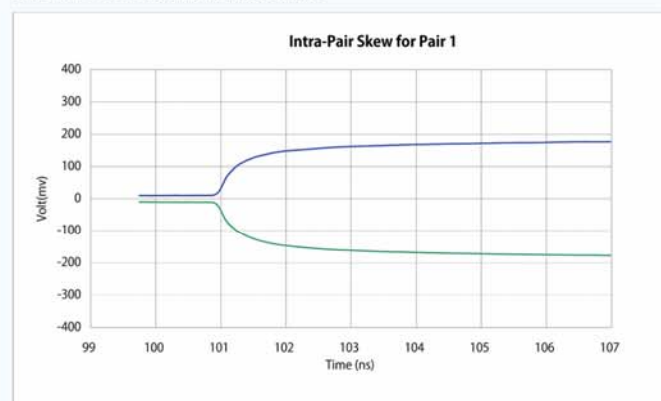
— Standard Limit  
— LTK Lightskew™ Performance

### Differential-Impedance 差模阻抗



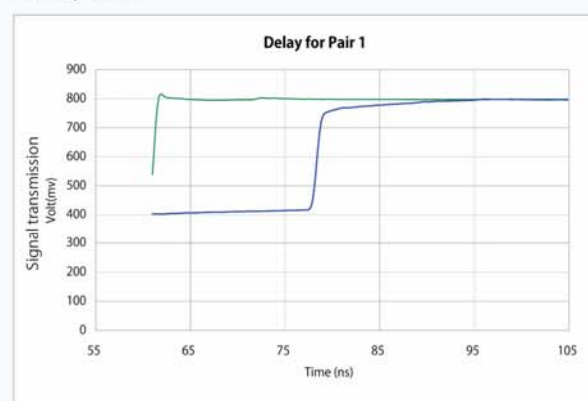
— Standard Limit  
— LTK Lightskew™ Performance

### Intra-Pair Skew 对内延时差



Pair Performance Test  
— Core 1 Performance  
— Core 2 Performance

### Delay 延时



— Signal transmission before cable plugged  
— Signal transmission after cable plugged

Printed on Recycled & Elemental Chlorine Free Paper

# Lightskew™ series SFP Cables 电线系列



#### Headquarters 总部

Hong Kong, China  
中国香港  
LTK International Ltd  
7/F Harbour View 2  
16 Science Park East Avenue  
Hong Kong Science Park  
Sha Tin, Hong Kong  
Tel: (852) 2382 1133  
Fax: (852) 2480 6327  
Email: sales@ltkcable.com  
www.ltkcable.com

#### Manufacturing Plants 厂房

Chongqing, China  
中国重庆  
LTK Cable (Chongqing) Ltd  
No. 98-1 Xiyuan 2nd Road  
Sha Ping Ba District  
Chongqing City  
P. R. China 401332  
Tel: (86) 23 6566 3788  
Fax: (86) 23 6566 3766

Dalian, China  
中国大连  
Dalian LTK Electric Wire Ltd  
No. 28 Dalian Economic &  
Technical Development Zone  
Dalian City, Liaoning Province  
P. R. China 116500  
Tel: (86) 411 8731 8850  
Fax: (86) 411 8731 8851

Huizhou, China  
中国惠州  
LTK Electric Wire (Huizhou) Ltd  
DESAY 3rd Industrial Zone  
Zhong Kai Road  
Chenjiang, Huizhou City  
Guangdong Province  
P. R. China 516229  
Tel: (86) 752 2619 200  
Fax: (86) 752 2619 199

Huizhou, China  
中国惠州  
Huizhou LTK Electronic Cable Ltd  
Wu Yi Industrial Zone  
Chenjiang, Huizhou City  
Guangdong Province  
P. R. China 516229  
Tel: (86) 752 2619 200  
Fax: (86) 752 2619 199

Kunshan, China  
中国昆山  
LTK Industries (Suzhou) Limited  
333 Yanhu Road, Huaqiao Town  
Kunshan City  
Jiangsu Province  
P. R. China 215332  
Tel: (86) 512 5796 1688  
Fax: (86) 512 5796 1222

乐活新世代  
The Future of our Lifestyle

# Lightskew™ series

## SFP Cables 电线系列

Intra-pair delay skew low as 10ps/m  
FT4, CL2 flame tests approval

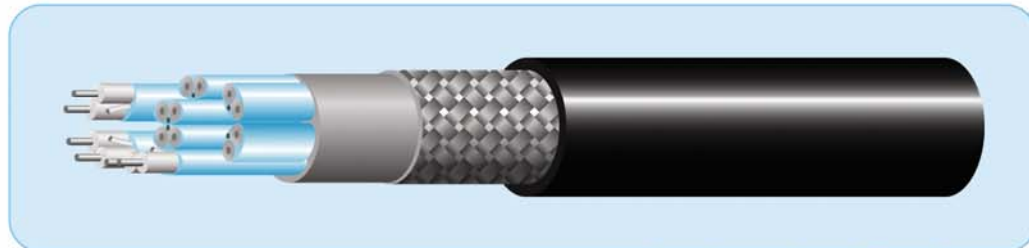
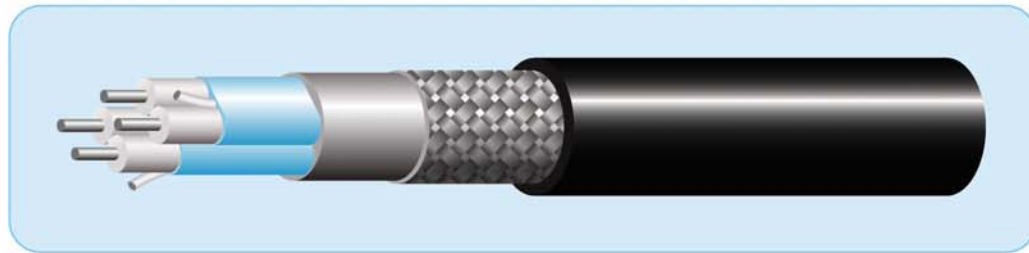
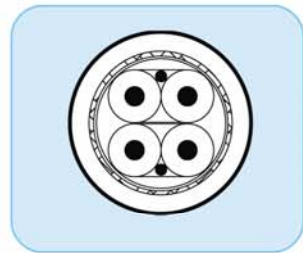
对内延时差低至10ps/m  
通过 FT4、CL2 燃烧测试

### Applications 应用

LTK's Lightskew™ series SFP cables are widely applied in the interconnection of servers, routers, switches and signal control systems, for both telecommunications and data communications applications.

乐庭的 Lightskew™ SFP 电线系列，广泛应用于数据通信及电信应用，当中包括伺服器、路由器、交换机及讯号控制系统连接。

### Product Description 产品说明



### Features 特性

- Rated temperature : 30°C
- Rated voltage : 80V
- Impedance : 100 ± 5 ohm
- Silver plate copper conductor
- Foam PE insulation
- Al-mylar, Tinned copper braiding
- PVC or LSZH jacket
- Flammability grade : FT4, CL2 flame test
- RoHS compliant

- 额定温度 : 30°C
- 额定电压 : 80V
- 阻抗 100 ± 5 ohm
- 镀银铜线导体
- 发泡聚乙烯绝缘
- 铝箔，镀锡软铜线编织屏蔽
- 聚氯乙烯或低烟无卤护套
- 燃烧等级 : FT4, CL2 阻燃测试
- RoHS 标准

### Specifications 规格

#### Lightskew™ X3 Series (15GHz)

Part No. 型号	Conductor 导体	No. of Pairs 对数	Insulation 绝缘		Individual Shielding 单独屏蔽	Overall Shielding 外屏蔽	Jacket 护套		Nom Delay 延时 (ns/m)	Max Delay Skew 最大延时差 (ps/m)		Attenuation(max.) 最大衰减 (dB/10m)							
			Material 材质	Diameter 线径 (mm)			Material 材质	Diameter 线径 (mm)		Intra 对内	Inter 对间	0.635	1.25	2.5	5.0	8.5	10.0	13.5	15.0
LTK-SFP-009	30 AWG	2	Foam PE	0.75	Al-Mylar/ PET tape	Al-Mylar/ TC* braiding	PVC / LSZH**	4.2	4.5	15	50	14.50	17.80	26.50	41.00	57.50	64.50	81.50	90.00
LTK-SFP-010	28 AWG	2	Foam PE	0.94	Al-Mylar/ PET tape	Al-Mylar/ TC* braiding	PVC / LSZH**	4.7	4.5	10	50	8.80	13.50	20.50	31.00	44.50	50.00	63.50	70.00
LTK-SFP-011	26 AWG	2	Foam PE	1.14	Al-Mylar/ PET tape	Al-Mylar/ TC* braiding	PVC / LSZH**	5.2	4.5	10	50	6.50	10.00	18.00	27.50	37.50	42.50	50.50	54.50
LTK-SFP-012	24 AWG	2	Foam PE	1.46	Al-Mylar/ PET tape	Al-Mylar/ TC* braiding	PVC / LSZH**	6.0	4.5	10	50	5.60	8.60	12.75	19.80	26.50	33.00	39.50	45.00
LTK-SFP-021	30 AWG	8	Foam PE	0.75	Al-Mylar/ PET tape	Al-Mylar/ TC* braiding	PVC / LSZH**	6.6	4.5	20	50	14.50	17.80	26.50	41.00	57.50	64.50	81.50	90.00
LTK-SFP-022	28 AWG	8	Foam PE	0.92	Al-Mylar/ PET tape	Al-Mylar/ TC* braiding	PVC / LSZH**	7.5	4.5	10	50	8.80	13.50	20.50	31.00	44.50	50.00	63.50	70.00
LTK-SFP-023	26 AWG	8	Foam PE	1.14	Al-Mylar/ PET tape	Al-Mylar/ TC* braiding	PVC / LSZH**	8.8	4.5	10	50	6.50	10.00	18.00	27.50	37.50	42.50	50.50	54.50
LTK-SFP-024	24 AWG	8	Foam PE	1.46	Al-Mylar/ PET tape	Al-Mylar/ TC* braiding	PVC / LSZH**	9.8	4.5	10	50	5.60	8.60	12.75	19.80	26.50	33.00	39.50	45.00

#### Lightskew™ X2 Series (10GHz)

Part No. 型号	Conductor 导体	No. of Pairs 对数	Insulation 绝缘		Individual Shielding 单独屏蔽	Overall Shielding 外屏蔽	Jacket 护套		Nom Delay 延时 (ns/m)	Max Delay Skew 最大延时差 (ps/m)		Attenuation(max.) 最大衰减 (dB/10m)							
			Material 材质	Diameter 线径 (mm)			Material 材质	Diameter 线径 (mm)		Intra 对内	Inter 对间	0.2	0.6	1.25	2.5	3.25	5.0	7.0	10.0
LTK-SFP-005	30 AWG	2	Foam PE	0.75	Al-Mylar/ PET tape	Al-Mylar/ TC* braiding	PVC / LSZH**	4.2	4.5	15	50	6.60	11.00	16.50	24.20	27.50	35.20	42.90	55.00
LTK-SFP-006	28 AWG	2	Foam PE	0.92	Al-Mylar/ PET tape	Al-Mylar/ TC* braiding	PVC / LSZH**	4.7	4.5	10	50	5.50	9.90	14.30	20.35	23.65	29.70	35.75	45.65
LTK-SFP-007	26 AWG	2	Foam PE	1.14	Al-Mylar/ PET tape	Al-Mylar/ TC* braiding	PVC / LSZH**	5.2	4.5	10	50	4.40	7.70	11.00	16.50	18.70	24.20	29.70	40.70
LTK-SFP-008	24 AWG	2	Foam PE	1.44	Al-Mylar/ PET tape	Al-Mylar/ TC* braiding	PVC / LSZH**	6.0	4.5	10	50	3.60	6.50	9.50	14.00	16.10	21.00	25.50	37.50
LTK-SFP-017	30 AWG	8	Foam PE	0.75	Al-Mylar/ PET tape	Al-Mylar/ TC* braiding	PVC / LSZH**	6.6	4.5	20	50	6.60	11.00	16.50	24.20	27.50	38.00	47.00	60.00
LTK-SFP-018	28 AWG	8	Foam PE	0.92	Al-Mylar/ PET tape	Al-Mylar/ TC* braiding	PVC / LSZH**	7.5	4.5	10	50	5.80	10.40	15.10	21.50	24.85	31.50	38.80	50.00
LTK-SFP-019	26 AWG	8	Foam PE	1.14	Al-Mylar/ PET tape	Al-Mylar/ TC* braiding	PVC / LSZH**	8.8	4.5	10	50	4.84	8.47	12.10	18.15	20.57	26.62	32.67	44.77
LTK-SFP-020	24 AWG	8	Foam PE	1.44	Al-Mylar/ PET tape	Al-Mylar/ TC* braiding	PVC / LSZH**	9.8	4.5	10	50	3.87	7.15	10.41	15.25	17.80	23.15	29.20	40.00

#### Lightskew™ X Series (5GHz)

Part No. 型号	Conductor 导体	No. of Pairs 对数	Insulation 绝缘		Individual Shielding 单独屏蔽	Overall Shielding 外屏蔽	Jacket 护套		Nom Delay 延时 (ns/m)	Max Delay Skew 最大延时差 (ps/m)		Attenuation(max.) 最大衰减 (dB/10m)					
			Material 材质	Diameter 线径 (mm)			Material 材质	Diameter 线径 (mm)		Intra 对内	Inter 对间	0.2	0.6	1.25	2.5	3.25	5.0
LTK-SFP-001	30 AWG	2	Foam PE	0.75	Al-Mylar/ PET tape	Al-Mylar/ TC* braiding	PVC / LSZH**	4.2	4.5	15	50	6.60	11.00	16.50	24.20	27.50	35.20
LTK-SFP-002	28 AWG	2	Foam PE	0.92	Al-Mylar/ PET tape	Al-Mylar/ TC* braiding	PVC / LSZH**	4.7	4.5	10	50	5.50	9.90	14.30	20.35	24.20	31.90
LTK-SFP-003	26 AWG	2	Foam PE	1.14	Al-Mylar/ PET tape	Al-Mylar/ TC* braiding	PVC / LSZH**	5.2	4.5	10	50	4.40	7.70	11.00	16.80	19.20	25.20
LTK-SFP-004	24 AWG	2	Foam PE	1.44	Al-Mylar/ PET tape	Al-Mylar/ TC* braiding	PVC / LSZH**	6.0	4.5	10	50	3.60	6.50	9.50	14.80	17.20	23.00
LTK-SFP-013	30 AWG	8	Foam PE	0.75	Al-Mylar/ PET tape	Al-Mylar/ TC* braiding	PVC / LSZH**	6.6	4.5	20	50	6.60	11.00	16.50	24.20	27.50	38.00
LTK-SFP-014	28 AWG	8	Foam PE	0.92	Al-Mylar/ PET tape	Al-Mylar/ TC* braiding	PVC / LSZH**	7.5	4.5	10	50	5.80	10.40	15.10	21.50	24.85	31.50
LTK-SFP-015	26 AWG	8	Foam PE	1.14	Al-Mylar/ PET tape	Al-Mylar/ TC* braiding	PVC / LSZH**	8.8	4.5	10	50	4.84	8.47	12.10	18.15	20.57	26.62
LTK-SFP-016	24 AWG	8	Foam PE	1.44	Al-Mylar/ PET tape	Al-Mylar/ TC* braiding	PVC / LSZH**	9.8	4.5	10	50	3.87	7.15	10.41	15.25	17.80	23.15

\* TC - Tinned Copper 镀锡软铜

\*\* LSZH - Low Smoke Zero Halogen 低烟无卤