



DESCRIPTION

DESCRIPTION: F/UTP 23AWG X4P (SOLID) CAT 6A LSZH  
 RECOGNIZED: 3P

SPECIFICATION

STYLE	60°C 300V COMMUNICATION CABLE	DOCUMENT NO : TSL2304S09
SIZE	FTP 23AWG×4P	ESTABLISHED DATE : Dec./10/2012
STANDARD	: ELITE 10GS -F SUPPORTS IEEE 802.3an 10G BASE -T STANDARD, AND TIA -568-C.2	
APPLICATION	: LOCAL AREA NETWORK CABLE ARE SUITABLE FOR PERFECT AUDIO DATA AND VIDEO OF TRANSFER FOR HORIZONTAL NETWORK	

CONSTRUCTION

CONDUCTOR	SIZE	23AWG		
	CONSTRUCTION	SOLID BARE COPPER		
INSULATION	DIAMETER	BLUE	1.17 ± 0.02	mm FOAM SKIN 30%
		GREEN	1.17 ± 0.02	mm FOAM SKIN 24%
	DIAMETER	ORANGE	1.14 ± 0.02	mm
		BROWN	1.12 ± 0.02	mm
	MATERIAL	HD PE		
COLOR CODES	1.BLUE × WHITE 2.ORANGE × WHITE 3.GREEN × WHITE 4.BROWN × WHITE			
SHIELDED	PAIR STRANDED	2 CORES STRANDED		
	FILLER(SLOT)	PE [LIGHT GREEN]		
	ASSEMBLY STRANDED	4 PAIR STRANDED		
	SHIELDED	MYLAR TAPE		
	DRAIN WIRE	TINNED COPPER		
	SHIELDED	AL -MYLAR TAPE		
JACKETED	AVG. THICK.	0.55	mm	
	MIN. THICK.	0.50	mm	
	DIAMETER	7.70 ± 0.2	mm	
	MATERIAL	FR PVC		
	COLOR	WHITE OR OTHER COLOR		
PACKAGING	<input checked="" type="checkbox"/> ACCORDING TO CUSTOMER'S REQUEST			



ELECTRICAL & PHYSICAL PROPERTIES

ITEM	23AWG × 4P		
RATING TEMP VOLTAGE	60°C 300V		
CONDUCTOR RESISTANCE	9.38 OHM/ 100m/20°C MAX.		
MUTUAL CAPACITANCE	56 pF/M MAX.		
DIELECTRIC STRENGTH	AC 1. 5 KV/ 2 SEC .		
SPARK TEST	2.5 KV		
INSULATION	UNAGED	TENSILE STRENGTH	2400 PSI MIN. (1.69 Kg/m m <sup>2</sup> )
		ELONGATION	300% MIN.
	AGED	TENSILE STRENGTH	UNAGED MIN. 75%(100 °C×48HRS)
		ELONGATION	UNAGED MIN. 75%(100 °C×48HRS)
JACKETED	UNAGED	TENSILE STRENGTH	1306 PSI MIN.( 0.92 Kg/m m <sup>2</sup> )
		ELONGATION	125% MIN.
	AGED	TENSILE STRENGTH	UNAG ED MIN. 75%(100°C×48HRS)
		ELONGATION	UNAGED MIN. 75%(100°C×48HRS)
INSULATION SHRINKBACK	150m/m, 121°C±1°C×1HR °C9.5m/m		
COLD BEND TEST	-20°C×4HRS NO CRACK		
FLAME RETARDANTTEST	IEC 60332-1-2		
ACID GAS EVOLUTION	PH≥ 4.3		
SMOKE GENERATION	60%MIN(TRANSMISSION OF LIGHT)		
DC RESISTANCE UNBALANCE	4% MAX.		
PROPAGATION DELAY	500 MHz 53 5.6nS/100m MAX.		
DELAY SKEW	1 ~ 500 MHz 45nS/100m MAX.		

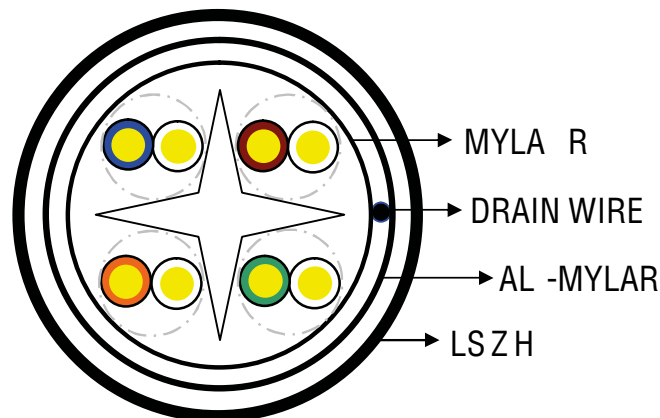


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 Consulta con el director de tu zona y conoce más acerca del producto.  
 Sede principal: Carrera 50 C No. 10 Sur 61 PBX: (4) 361 85 85 - Fax: (4) 361 38 87  
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ELECTRICAL PERFORMANCE

ITEM(dB) Frequency (MHz)	IL MAX. (dB/100m)	NEXT MIN. (dB)	ACR MIN. (dB)	PS. NEXT MIN. (dB)	PS. ACR MIN. (dB)	ACRF MIN. (dB)/100m)	PS. ACRF MIN. (dB/100m)	R.L. MIN. (dB)
1	2.1	75.3	73.2	73.3	71.2	68.0	65.0	20.0
4	3.8	66.3	62.5	64.3	60.5	56.0	53.0	23.0
8	5.3	60.8	55.5	59.8	54.5	49.9	46.9	24.5
10	5.9	60.3	54.4	58.3	52.4	48.0	45.0	25.0
16	7.5	57.2	49.7	55.2	47.7	43.9	40.9	25.0
20	8.4	55.8	47.4	53.8	45.4	42.0	39.0	25.0
25	9.4	54.3	44.9	52.3	42.9	40.0	37.0	24.3
31.25	10.5	52.9	42.4	50.9	40.4	38.1	35.1	23.6
62.5	15.0	48.4	33.4	46.4	31.4	32.1	29.1	21.5
100	19.1	45.3	26.2	43.3	24.2	28.0	25.0	20.1
155	24.1	42.4	18.3	40.4	16.3	24.2	21.2	18.8
200	27.6	40.8	13.2	38.8	11.2	22.0	19.0	18.0
250	31.1	39.3	8.2	37.3	6.2	20.0	17.0	17.3
300	34.3	38.1	3.8	36.3	2.0	18.5	15.5	16.8
400	40.1	36.3	NA	34.3	NA	16.0	13.0	15.9
500	45.3	34.8	NA	32.8	NA	14.0	11.0	15.5



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