

# SPECIFICATION FOR APPROVAL

DOCUMENT : TBL2604A

STYLE : 60°C 300V  
COMMUNICATION CABLE

SIZE: S/FTP 26AWG X4P  
(STRANDED) CAT 7 LSOH

RECOGNIZED: 3P



**WONDERFUL HI-TECH CO.,LTD**

OFFICE : 72WU KONG 6TH ROAD,  
WU KU IND. DISTRICT  
TAIPEI HSIEN,TAIWAN

FACTORY : 17 PEI YUAN ROAD,  
CHUNG-LI IND. PARK  
TAIWAN, R.O.C.

TEL : (02)22988033  
FAX : (02)22988031-2

TEL : (03)4527777  
FAX : (03)4517214

All Material According To SS-00259



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**SPECIFICATION**

STYLE	60°C 300V COMMUNICATION CABLE	DOCUMENT NO : TBL2604A
SIZE	S/FTP 26AWG×4P	ESTABLISHED DATE : Mar/06/2012
STANDARD : IEC 61156-5 & IEC 60332-1-2 、 60754-2 、 61034-1 、 61034-2 incl. Amendment 1		
APPLICATION : As data Patch cord in Patch panels and equipment connection cable. For the transmission of digital and analogue voice and data signals and flexible working station cabling long patch cables.		
CONSTRUCTION :		
CONDUCTOR	SIZE	26AWG
	CONSTRUCTION	STRANDED BARE COPPER
INSULATION	AVG. THICK.	0.290 mm
	MIN. THICK.	0.270 mm
	DIAMETER	1.05 ± 0.02 mm
	MATERIAL	FOAM SKIN PE
	COLOR CODES	1.BLUE × WHITE 2.ORANGE × WHITE 3.GREEN × WHITE 4.BROWN × WHITE
SHIELDED	PAIR STRANDED	2 CORES STRANDED
	AL-MYLAR TAPE (EACH PAIR)	12 × 0.065 mm
	ASSEMBLY STRANDED	4 PAIR STRANDED
	BRAID CONSTRUCTION	16 / 5 / 0.10 mm (TINNED COPPER)
	BRAID COVERAGE	Min.30%
JACKETED	AVG. THICK.	0.50 mm
	MIN. THICK.	0.45 mm
	DIAMETER	6.30 ± 0.20 mm
	MATERIAL	LSOH
	COLOR	GRAY OR OTHER COLOR
PACKAGING	<input checked="" type="checkbox"/> ACCORDING TO CUSTOMER'S REQUEST	
	<input type="checkbox"/> ACCORDING WITH WONDERFUL HI-TECH CO.,LTD STANDARD	

AK001/210×297/1.0

EDITION : 1.0

MAKER : *H. C. KUO* CONFIRM : *C. Y. Chen*

REVISED DATE :

APPROVAL : *W. J. Wang*

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ELECTRICAL & PHYSICAL PROPERTIES :			
ITEM		26AWG × 4P	
RATING TEMP VOLTAGE		60°C 300V	
CONDUCTOR RESISTANCE		14.07 OHM/100m/20°C MAX.	
DIELECTRIC STRENGTH		AC 1.5 KV/2SEC.	
SPARK TEST		2.5 KV	
INSULATION	UNAGED	TENSILE STRENGTH	1306 PSI MIN.(0.92 Kg/m m <sup>2</sup> )
		ELONGATION	125% 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	UNAGED MIN. 50%(100°C×168HRS)
		ELONGATION	UNAGED MIN. 70%(100°C×168HRS)
INSULATION SHRINKBACK		5% MAX. (130°C×1HR)	
COLD BEND TEST		-20°C×4HRS NO CRACK	
FLAME RETARDANT TEST		IEC 60332-1-2	
ACID GAS EVOLUTION		PH ≥ 4.3	
SMOKE GENERATION		60% MIN(TRANSMISSION OF LIGHT)	
DC RESISTANCE UNBALANCE		2% MAX.	
PAIR-TO-GROUND CAPACITANCE UNBALANCE		160 pF/100m MAX.	
CHARACTERISTIC IMPEDANCE		100±5 OHMS AT 100MHZ	
PROPAGATION DELAY		600MHz 535nS/100m MAX.	
DELAY SKEW		4~600MHz 45nS/100m MAX.	
MARKING :			
WONDERFUL / ELITE CAT. 7 / CLASS F 10G-PLUS PATCH CABLE S/FTP 26AWG 4PR LSOH 3P VERIFIED TO ISO/IEC 61156-5 XXXXM			

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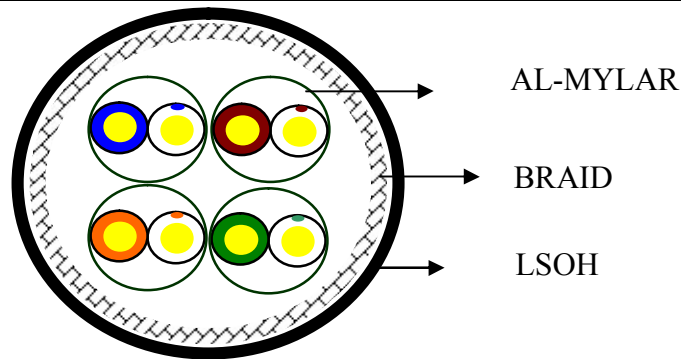
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## Electrical Performance

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	2.94	80	77.06	77	74.06	80	77	20
4	5.46	80	74.54	77	71.54	80	77	23.01
10	8.55	80	71.45	77	68.45	74	71	25
20	12.11	80	67.89	77	64.89	67.98	64.98	25
31.25	15.2	80	64.8	77	61.8	64.1	61.1	23.64
62.5	21.73	75.46	53.73	72.46	50.73	58.08	55.08	21.54
100	27.78	72.4	44.62	69.4	41.62	54	51	20.11
155	35.03	69.55	34.52	66.55	31.52	50.19	47.19	18.77
200	40.14	67.88	27.74	64.88	24.74	47.98	44.98	18
250	45.27	66.43	21.16	63.43	18.16	46.04	43.04	17.3
300	49.98	65.24	15.26	62.24	12.26	44.46	41.46	17.3
350	54.38	64.24	9.86	61.24	6.86	43.12	40.12	17.3
400	58.52	63.37	4.85	60.37	1.85	41.96	38.96	17.3
500	66.21	61.92	NA	58.92	NA	40.02	37.02	17.3
600	73.31	60.73	NA	57.73	NA	38.44	35.44	17.3



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