

ABA Industry, Inc.

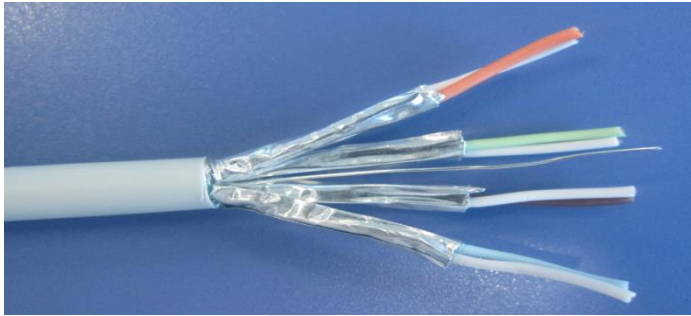
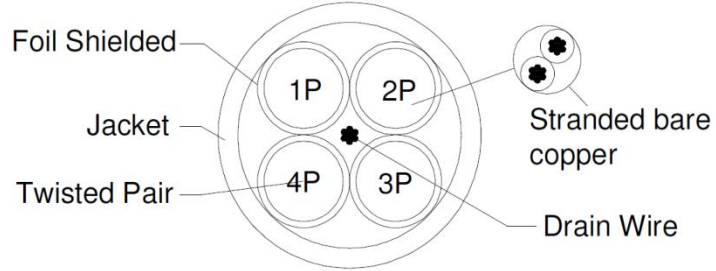
Specification for Approval

Product Part Number

- TSM2604S03XX

Product Description

- U/FTP, 26AWG stranded bare copper, CAT.6A, CM
- Overall metal foil screen with drain wire

		
High Frequency Performance	Category	Category 6A, CLASS Ea
	Standard Compliance	IEC 61156-6, EN 50288-4-2, ANSI/TIA568C.2, ISO/IEC11801
Flame Retardant Standard	Standard Compliance	UL444 CM
Environmental Compliance	RoHS	
Conductor	Material	Bare Copper
	Structure	26AWG, 7 x 0.152mm
Insulation	Material	Foam PE
	Structure	1.01mm
Foil Screen	Material	Aluminum/PET

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	Thickness	35/15 μ m	
Jacket	Material	PVC CM · CMR	
	Thickness	0.55mm	
	OD	6.0 \pm 0.2mm	
Pulling Tension	Max. 50N		
Bending Radius (without load)	Min. 8 x Cable Diameter		
Temperature Range	Installation Temperature	0 to 50°C	
	Storage Temperature	-20 to 70°C (Under static conditions)	
	Operation Temperature	-20 to 60°C (Under static conditions)	
Conductor Resistance @20°C	Max. 14.5 Ohms/100m	Resistance Unbalance @20°C	Within a pair: 5% Max. Between pairs: 4% Max.
Dielectric Strength	300V AC or 850V AC for 2secs		
Mutual Capacitance	5.6nF/100m @1kHz	Insulation Resistance @20°C, Test Voltage 100V-500V DC	Min. 5000 Mohms. m
Coupling Attenuation (<1GHz)	Min. 55dB@100MHz	Max. Capacitance Unbalance (Pair to Ground @20°C)	330 pF/km @1kHz
Mean Characteristic Impedance	100 Ohms \pm 5 Ohms @100MHz		
Max. Delay Skew @20°C	45 nsec/100m @ 100MHz	Nominal Velocity Propagation	80%
Marking	ELITE 10G CAT6A PATCH CABLE FOR 10 GIGABIT SYSTEM E224805 C(UL)US CM 75°C U/FTP 4PR 26AWG CSA (FT4) ETL VERIFIED TO TIA 568-C.2 XXXXFT		

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Transmission Characteristics

FREQ	Attenuation	RL	NEXT	PS-NEXT	ACRF	PSACRF	TCL	Prop. Delay
MHz	(max. dB/100m)	(min. dB at 20°C)	(min. dB)	(min. dB)	(min. dB)	(min. dB)	(min. dB)	(max. ns)
1*	3.1	20.0	75.0	72.3	68.0	65.0	40	570
4*	5.7	23.0	66.3	63.3	56.0	53.0	40	552
8	8.0	24.5	61.8	58.8	49.9	46.9	40	547
10	8.9	25.0	60.3	57.3	48.0	45.0	40	545
16	11.2	25.0	57.2	54.2	43.9	40.9	38	543
20	12.6	25.0	55.8	52.8	42.0	39.0	37	542
25	14.1	24.2	54.3	51.3	40.0	37.0	36	541
31.25	15.8	23.3	52.9	49.9	38.1	35.1	35	540
62.5	22.5	20.7	48.4	45.4	32.1	29.1	32	539
100	28.7	19.0	45.3	42.3	28.0	25.0	30	538
200	41.4	16.4	40.8	37.8	22.0	19.0	27	537
250	46.6	15.6	39.3	36.3	20.0	17.0	26	536
300	51.4	14.9	38.1	35.1	18.5	15.5	25.2	536
400	60.1	13.8	36.3	33.3	16.0	13.0	24	536
500	67.9	13.0	34.8	31.8	14.0	11.0	23	536

(1) All performance based on 100 meters at 20°C. (2) The asterisked (*) frequency performance value are assumed to be met by design.

Version : A1 Rev. Date : 2015/11/12