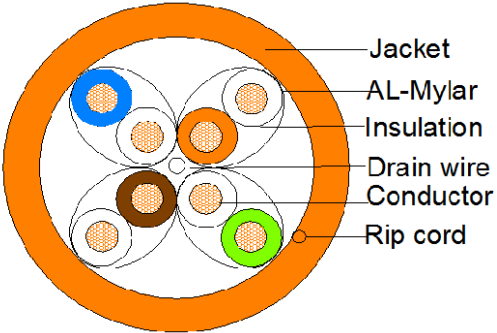


U/FTP 4Pairs cable-category 6A

Content of the Data Sheet

Model:	300428				
Customer No.	300428	Certificate:	Force/Delta/EC		
Category	SD U/FTP- CAT6A-4P-PVC				
Reference Standard	ISO/IEC11801、ANSI/TIA-568-C.2				
Conductor	Material	SOLID-Bare Copper			
	Nom.O.D.(mm)	0.550	up	+0.005	
			down	-0.005	
Insulation	Material	Skin-foam-skin PE			
	Diameter	1.28±0.05 mm			
Screening Material	Al/Mylar	Drain wire	Yes		
Sheath	Thickness	0.5±0.05 mm			
	External O.D.	6.8±0.5 mm			
	Surface	Clean			
	Material	PVC (complies RoHS)			
	Color	Orange			
Surface Printing	Letter height	3.0±0.3mm			
	Color	Black			
	Print error & Space	≤±0.5%, 1m			
Core Color	1 White/Blue	2 White/Orange			
	3 White/Green	4 White/Brown			
Packing	Drum				
Packing length	305/500 meters				
Rip-cord	Yes				
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥13.5			
	Elongation(%)	≥150			
	Aging Period (°C × hrs)	100°C × 24h × 7d			
	After Aging Tensile Strength(Mpa)	≥12.5			
	Elongation(%)	≥125			
	Cold bend(-20±2□×4h)	8×Cable O.D., No visible cracks			
Electrical Characteristics (20°C)	Impedance(Ω) 1.0-250.0MHz	100±15			
	250.0-500.0MHz	100±22			
	1.0-500.0MHz Delay Skew (ns/100m)	≤45			
	unbalanced-to-ground capacitance(pf/km)max	1600			
	DC Resistance (Ω/km) max	93.8			
	Resistance Unbalance within a pair (%) max	2.0			



Technical Performance (100m) :				
Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
1	20.0	—	74.3	570
4.0	23.0	3.8	65.3	552
8.0	24.5	5.3	60.8	547
10.0	25.0	5.9	59.3	545
16.0	25.0	7.5	56.2	543
20.0	25.0	8.4	54.8	542
25.0	24.3	9.4	53.3	541
31.25	23.6	10.5	51.9	540
62.5	21.5	15.0	47.4	539
100	20.1	19.1	44.3	538
200	18.0	27.6	39.8	537
250	17.3	31.1	38.3	536
300	16.8	34.3	37.1	536
400	15.9	40.1	35.3	536
500	15.2	45.3	33.8	536

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	72.3	67.8	64.8
4	63.3	55.8	52.8
8	58.8	49.7	46.7
10	57.3	47.8	44.8
16	54.2	43.7	40.7
20	52.8	41.8	38.8
25	51.3	39.8	36.8
31.25	49.9	37.9	34.9
62.5	45.4	31.9	28.9
100	42.3	27.8	24.8
200	37.8	21.8	18.8
250	36.3	19.8	16.8
300	35.1	18.3	15.3
400	33.3	15.8	12.8
500	31.8	13.8	10.8

Acceptance criterion: FLUKE Permanent link test 90m, pass



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