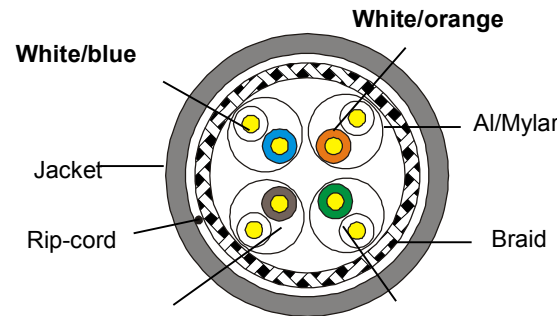


S/FTP 4Pairs cable-category 7-PVC Sheath

Content of the Data Sheet

Sheath Printing	TBD									
Customer No.		Customer Reference								
Category	S/FTP-CAT7-4P-PVC-TC30									
Reference Standard	ISO/IEC 61156-5;EN 50288-4									
Conductor	Material	SOLID-Bare Copper								
	Nom.O.D.(mm)	0.560	up +0.005 down -0.005							
Insulation	Material	Skin-foam-skin PE								
	Diameter	1.330±0.05 mm								
Inner Screening Material	Al/Mylar	Drain wire	No							
Outer Screening Material	Tinned copper 0.10mm	Coverage	≥30%							
Sheath	Thickness	0.55±0.05 mm								
	External O.D.	7.6±0.5 mm		Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns		
	Surface	Clean,Frap,Satiation		1.0	20.0	—	78.0	570.0		
	Material	PVC(complies RoHS)		4.0	23.0	3.74	78.0	552.0		
	Color	TBD		8.0	24.5	5.24	78.0	546.7		
Surface Printing	Letter height	3.0±0.3mm		10.0	25.0	5.86	78.0	545.4		
	Color	Black		16.0	25.0	7.41	78.0	543.0		
	Print error & Space	±0.5%, 1m		20.0	25.0	8.29	78.0	542.0		
				25.0	24.3	9.29	78.0	541.2		
Core Color	1 White/Blue	2 White/Orange		31.25	23.6	10.41	78.0	540.4		
	3 White/Green	4 White/Brown		62.5	21.5	14.88	75.5	538.6		
Packing	Drum			100	20.1	19.02	72.4	537.6		
Wooden Tray dimension	According to the requires			150	18.9	23.56	69.8	536.9		
Packing length	305±1.0m			200	18.0	27.47	67.9	536.5		
Rip-cord	Yes			250	17.3	30.97	66.4	536.3		
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥13.5	300	17.3	34.19	65.2	536.1		
		Elongation (%)	≥150	600	17.3	50.10	60.7	535.5		
	Aging Period (°C×hrs)	100°C×24h×7d		Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB			
	After Aging	Tensile Strength (Mpa)	≥12.5	1	75.0	78.0	75.0			
		Elongation (%)	≥125	4	75.0	78.0	75.0			
Cold bend (-20±2°C×4h)	8×Cable O.D., No visible cracks		8	75.0	75.9	72.9				
	10	75.0	74.0	71.0						
Electrical Characteristics (20°C)	Impedance(Ω) : (1-100MHz)	100±15Ω	16	75.0	69.9	66.9				
		(100-250MHz)	100±18Ω	20	75.0	68.0	65.0			
		(250-600MHz)	100±25Ω	25	75.0	66.0	63.0			
		Delay Skew (ns/100m)	≤25		31.25	75.0	64.1	61.1		
	Velocity of Propagation (%)	74		62.5	72.5	58.1	55.1			
	unbalanced-to-ground capacitance (pf/100m) max	330		100	69.4	54.0	51.0			
DC Resistance (Ω/100m) max	9.38		150	66.8	50.2	47.2				
DC Conductor Resistance Unbalanc (%) max	2.0		200	64.9	48.0	45.0				
			250	63.4	46.0	43.0				
			300	62.2	44.5	41.5				
			600	57.7	38.4	35.4				
Version	A/01	Date	2017-08-25	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua	