

# TECHNICAL DATA SHEET

## 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-AM30												
Reference Standard	ISO/IEC 61156-5;EN 50288-4												
Conductor	Material	SOLID-Bare Copper											
	Nom.O.D.(mm)	0.560	<table style="font-size: small;"> <tr><td>up</td><td>+0.005</td></tr> <tr><td>down</td><td>-0.005</td></tr> </table>								up	+0.005	down
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	Yes										
Outer Screening Material	Aluminum-magnesium alloy 0.12mm	Coverage	≥30%										
Sheath	Thickness	0.55±0.05 mm		Technical Performance (100m):									
	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					
				31.25	23.6	10.41	78.0	540.4					
Core Color	1 White/Blue	2 White/Orange		62.5	21.5	14.88	75.5	538.6					
	3 White/Green	4 White/Brown		100	20.1	19.02	72.4	537.6					
Packing	Drum			150	18.9	23.56	69.8	536.9					
Wooden Tray dimension	According to the requires			200	18.0	27.47	67.9	536.5					
Packing length	305±1.0m			250	17.3	30.97	66.4	536.3					
Rip-cord	Yes			300	17.3	34.19	65.2	536.1					
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥13.5	600	17.3	50.10	60.7	535.5					
		Elongation (%)	≥150										
	Aging Period (°C×hrs)	100°C×24h×7d											
	After Aging	Tensile Strength (Mpa)	≥12.5										
		Elongation (%)	≥125										
Cold bend (-20±2°C×4h)	8×Cable O.D., No visible cracks												
Electrical Characteristics (20°C)	Impedance(Ω) : (1-100MHz)	100±15Ω											
		(100-250MHz)	100±18Ω										
		(250-600MHz)	100±25Ω										
		Delay Skew (ns/100m)	≤25										
	Velocity of Propagation (%)	74											
unbalanced-to-ground capacitance (pf/100m) max	330												
DC Resistance (Ω/100m) max	9.38												
DC Conductor Resistance Unbalanc (%) max	2.0												
Version	A/01	Date	2017-08-25	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua				