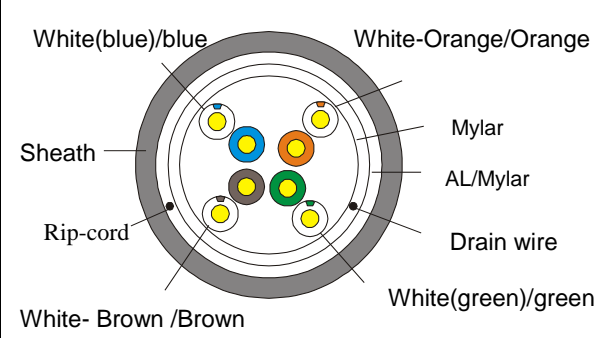


FTP 4Pairs cable-category5E-PVC Sheath

P/N: CL-24F-C5

Date	Author	Review	Approve	Version	Revision Declaration
2014-01-09	Paulchan	JackyLee	Peterlau	A0	
Content of the Data Sheet					
Sheath Printing	It will be printed as customer's requirement with batch produce.				
Customer reference					
Category	FTP CAT5E-4P-PVC				
Test Standard	ISO/IEC11801、TIA-568-C.2 YD/T1019				
Conductor	Material	Solid-Bare Copper			
	Nom.O.D.(mm)	0.500	up	+0.005	
			down	-0.005	
Insulation	Material	HDPE			
	Diameter	1.00±0.03 mm			
Screening Material	Mylar+ AL/Mylar				
Sheath	Thickness	0.55±0.05mm			
	External O.D.	6.2±0.4 mm			
	Surface	Clean,Frap,Satiation			
	Material	PVC			
	Color	Gray RAL7035			
Surface Printing	Letter height	3.0±0.3mm			
	Color	Black			
	Print error & Space	≤±0.5%, 1m			
Core Color	1 White- Blue /Blue	2 White-Orange /Orange			
	3 White- Green /Green	4 White- Brown /Brown			
Packing	Wooden Tray & Carton				
Carton dimension	41×41×21cm				
Packing length	(305±1.5)m				
Rip-cord	Yes	Drain wire	TC 0.45mm		
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥10.0			
	Elongation(%)	≥125			
	Aging Period((°C×hrs)	100°C×24h×7d			
	After Aging Tensile Strength(Mpa)	≥8.0			
	Elongation(%)	≥100			
	Cold bend(-20±2°C×4h) 8xCable O.D., No visible cracks				
Electrical Characteristics (20°C)	1.0-100.0MHz Impedance(Ω)	100±15			
	1.0-100.0MHz Delay Shew (ns/100m)	≤45			
	unbalanced-to-ground capacitance (pf/100m) max	330			
	DC Resistance (Ω/100m) max	9.5			
	DC Conductor Resistance Unbalance (%)max	5.0			



Technical Performance (100m):				
Frequency (MHz)	RL ≥dB	ATT(20°C) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
1	20.0	2.0	65.3	570.00
4	23.0	4.1	56.3	552.00
8	24.5	5.8	51.8	546.73
10	25.0	6.5	50.3	545.38
16	25.0	8.2	47.2	543.00
20	25.0	9.3	45.8	542.05
25	24.3	10.4	44.3	541.20
31.25	23.6	11.7	42.9	540.44
62.5	21.5	17.0	38.4	538.55
100	20.1	22.0	35.3	537.60

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	62.3	63.8	60.8
4	53.3	51.8	48.8
8	48.8	45.7	42.7
10	47.3	43.8	40.8
16	44.4	39.7	36.7
20	42.8	37.8	34.8
25	41.3	35.8	32.8
31.25	39.9	33.9	30.9
62.5	35.4	27.9	24.9
100	32.3	23.8	20.8