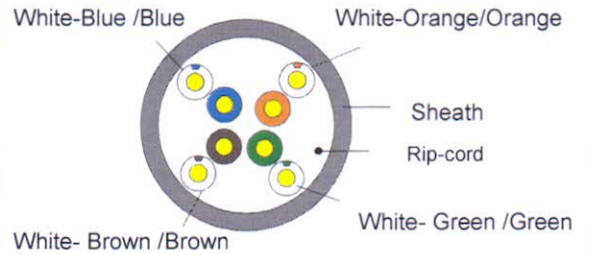


TECHNICAL DATA SHEET

U/UTP 4Pairs cable-category5E-PVC Sheath

P/N: G2301-167

Content of the Data Sheet													
Sheath Printing	TBD												
Customer No.		Customer Reference											
Category	U/UTP CAT5E-4P-PVC (Eca)												
Reference Standard	ISO/IEC11801、TIA-568-C.2												
Conductor	Material	Solid-Bare Copper											
	Nom.O.D.(mm)	0.490	up	+0.005						down	-0.005		
Insulation	Material	HDPE											
	Diameter	0.87±0.05mm											
Sheath	Thickness	0.50±0.05 mm											
	External O.D.	5.0±0.4 mm											
	Surface	Clean,Frap,Satiation											
	Material	PVC(complies RoHS)											
	Color	TBD											
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								Frequency PSNEXT	ELFEXT	PSELFEXT		
Carton dimension	According to the requires								(MHz)	≥dB	≥dB	≥dB	
Packing length	(305±1.5)m								1	62.3	63.8	60.8	
Rip-cord	Yes	Drain wire	No							4	53.3	51.8	48.8
									8	48.8	45.7	42.7	
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥13.5							10	47.3	43.8	40.8	
	Elongation(%)	≥150							16	44.4	39.7	36.7	
	Aging Period(°C×hrs)	100°C×24h×7d							20	42.8	37.8	34.8	
	After Aging Tensile Strength(Mpa)	≥12.5							25	41.3	35.8	32.8	
	Elongation(%)	≥125							31.25	39.9	33.9	30.9	
	Cold bend(-20±2°C×4h)	8×Cable O.D., No visible cracks							62.5	35.4	27.9	24.9	
Electrical Characteristics (20°C)	1.0-100.0MHz Impedance(Ω)	100±15								100	32.3	23.8	20.8
	1.0-100.0MHz Delay Skew (ns/100m)	≤45											
	DC ResistanceΩ/100m) max	9.38											
	DC Conductor Resistance Unbalance(%) max	5.0											
Reaction to fire Classification: Eca													
Version	A/01	Date	2017-08-25	Revised By	Caihangle	Audited By	Nidonghua	Approved By	Nidonghua				



Technical Performance (100m):

Frequency (MHz)	RL (≥dB)	ATT (≤dB)	NEXT (≥dB)	Phase DELAY (≤ns)
1	20.0	2.0	65.3	570.00
4.0	23.0	4.1	56.3	552.00
8.0	24.5	5.8	51.8	546.73
10.0	25.0	6.5	50.3	545.38
16.0	25.0	8.2	47.2	543.00
20.0	25.0	9.3	45.8	542.05
25.0	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