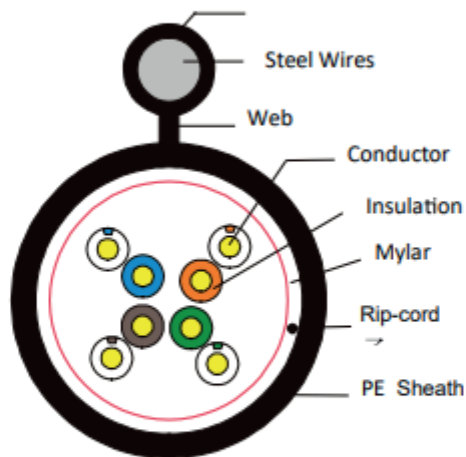


U/UTP 4 PAIRS CABLE - CATEGORY 5E – PE SHEATH(WITH STEEL WIRE)

PROFILE VIEW



CABLE PARAMETERS

Sheath Printing						
Customer No.		Customer Reference				
Category	U/UTP-C CAT5e-4P-PE					
Reference Standard	ISO/IEC11801、TIA-568-C.2					
Conductor	Material	SOLID-Bare Copper				
	Nom. O.D. (mm)	0.500	<table border="1"> <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	HDPE				
	Diameter	0.87 ± 0.05mm				
Color	A.Blue, White-Blue	B.Orange,White-Orange				
	C.Green,White-Green	D.Brown, White-Brown				
Rip-cord	Yes	Drain wire	No			
Steel Wires	1.2mm					
Sheath	Thickness	0.55 ± 0.05 mm				
	External O.D.	(5.4/2.6)±0.4 mm				
	Surface	Clean, Frap, Satiation				
	Material	LDPE(complies RoHS)				
	Color	Black				
Surface Printing	Letter height	3.0 ± 0.3mm				
	Color	White				
	Print error & Space	≤ ± 0.5%, 1m				

Packing	Drum
Carton dimension	According to the requires
Packing length	305 ± 1.5m
Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥ 10.0 Elongation (%) ≥ 350
	Aging Period (°C × hrs) 100 °C × 24h × 10d
	After Aging Elongation (%) ≥ 300
	Cold bend (-20 ± 2°C × 4h) No visible cracks
Electrical Characteristics (20°C)	1.0-100.0MHz, Characteristic impedance (Ω) 100 ± 15
	1.0-100.0MHz, Delay Skew 20°C(ns/100m) ≤ 45
	DC Resistance 20 °C (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
4.0	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	

ORDER INFORMATION

P/N	Description
CUT-5304	U/UTP 4 Pairs Cable - Category 5e – Pe Sheath(With Steel Wire)