

LAN CABLE: CAT5E UTP



ELECTROCRAFT - Tomorrow's vision today

NAME		LAN CABLE		Instruction show									
TYPE	ECC5EU605B			<p>Copper Conductor HDPE Insulation Pair Rip Cord Jacket</p>									
STANDARD	EIA/TIA-568-B.2-1,ISO/IEC 11801 YD/T1019-2001												
CONDUCTOR	material	Solid copper											
	diameter	0.50±0.04mm											
INSULATION	material	Solid HDPE											
	diameter	0.89±0.01mm											
JACKET	material	PVC/(CM/CMX/CMR)											
	thickness	0.5±0.1mm											
	diameter	5.1±0.2mm											
	indicate	Tolerance range 0.2mm											
MARK & CODE	color	black											
	Mark range	1feet /1meter											
INSULATION COLOR	blue/white-blue								Transfers characteristic : (byTIA/EIA-568-B.2-1)				
	orange/white-orange								Freq. (MHz)	RL (dB)	IL (dB/100m)	NEXT (dB/100m)	ACR (dB/100m)
	green/white-green								1	20.0	2.0	62	60
	Brown/white-brown								4	23.0	3.8	53	49.2
JACKET COLOR	/			10	25.0	6.5	47	40.5					
INSTALLTION	indoor			16	25.0	8.2	44	35.8					
BOX SIZE	34*34*19.5			20	25.0	9.2	43	33.8					
LENGTH	305meter /1000 feet			31.25	23.6	11.7	40	38.3					
NET WEIGHT	/			62.5	21.5	17	35	18					
PHYSICAL PERFORMANCE	The special physical performance accord to standard ISO/IEC 11801			100	20.1	22	32	10					
				200	-	-	-	-					
				250	-	-	-	-					
				300	-	-	-	-					
				350	-	-	-	-					
				Freq (MHz)	PSNEXT (dB/100m)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)						
				1	62	64.0	64.0						
4	53	52.0	51.0										
10	47.3	44.0	44.0										
16	44.2	39.9	40.9										
20	42.8	38.0	39.0										
ELECTRICAL PERFORMANCE	Impedance 1.0-100.0MHz(Ω) 100±15			31.25	39.9	34.1	35.1						
	DELAY 1.0-100.0MHz (ns/100m) ≦45			62.5	35.4	28.1	29.1						
	MU (PF/100m) MAX 330			100	32.3	24.0	25.0						
	Conductor resistance (Ω/km) max 9.38			200	-	-	-						
	Resistance unbalance (%) max 2.5			250	-	-	-						
				300	-	-	-						
				350	-	-	-						

Attenuation: the diameter is standard diameter

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