



APPLICATION

Enhanced performance cable for transmission of high speed data, digital and analogue voice and video (RGB) signals on LANs. Supports Gigabit Ethernet (1000 baseT) standard.

**This cable will meet the requirements of
ANSI/TIA-568-C.2, ISO 11801,
ROHS / REACH complied PVC jacket**

Construction

Test Standard	ISO/IEC11801, TIA-568-C.2, YD/T1019	
Conductor	Nom. O.D/mm	0.570 ± 0.005
Insulation	Material	HDPE
	Diameter	1.02± 0.03 mm
Sheath	Thickness	0.55± 0.05 mm
	External O.D	6.3± 0.4 mm
	Surface	Clean, Frap, Satiation
	Material	PVC
	Color	According to the requirements
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	40.5*40.5*21cm	
Packing length	305m	
Installation Temperature	-30°C ~ +50°C	
Rip-cord	Yes	
Drain Wire	No	

Physical Characters

Tensile Strength (Mpa) Before Aging	≥13.5
Elongation (%)	≥150
Aging Period (°C×h)	100°C×24h×7d
Tensile Strength (Mpa) After Aging	≥ 12.5
Elongation(%)	≥ 125
Cold bend(-20±2°C×4hours)	8xCable O.D., No visible cracks

Electric Characters

Impedance (Ω) 1.0-100.0MHz	100±15
Delay Shew (ns/100m) 1.0-100.0MHz	≤45
NVP	69%
Capacitance(nF/100m) max:	5.6
DC Resistance (Ω /100m) max	9.5
DC Conductor Resistance Unbalance (%) max	5.0

Transfer Characters

MHZ	RL ≥dB	ATT ≤dB/100m	NEXT≥dB /100m	PHASE DELAY ≤ ns	Frequency (MHz)	PS NEXT dB/100m	ELFEXT dB/100m	PS ACRF dB/100m
1.00	20.0	2.03	74.3	66.3	63.8	66.3	63.8	60.8
4.00	23.0	3.78	65.3	57.3	51.7	57.3	51.7	48.7
8.00	24.5	5.32	60.8	52.8	45.7	52.8	45.7	42.7
10.00	25.0	5.95	59.3	51.3	43.8	51.3	43.8	40.8
16.00	25.0	7.55	56.2	48.3	39.7	48.3	39.7	36.7
20.00	25.0	8.47	54.8	46.8	37.8	46.8	37.8	34.8
25.00	24.3	9.51	53.3	45.3	35.8	45.3	35.8	32.8
31.25	23.6	10.67	51.9	43.9	33.9	43.9	33.9	30.9
62.50	21.5	15.38	47.7	39.4	27.8	39.4	27.8	24.8
100.00	20.1	19.80	44.3	36.3	24.0	36.3	24.0	21.0
200.00	18.0	28.98	39.8	33.5	20.0	33.5	20.0	17.0
250.00	17.3	32.85	38.3	31.8	17.7	31.8	17.7	14.7

Ordering Information

Part Code	Description
NCB-C6UBLUR-305F1A-23	CAT6 UTP 23AWG: 305M (BLUE)
NCB-C6UGRYR-305F1A-23	CAT6 UTP 23AWG: 305M (GREY)