



Product code : XS305B

► **Product Description**

Type Category 6 U/UTP 4 Pair unshielded cable

Standards ISO11801 & TIA- 568.2-D, UL Subject 444

Applications Generic cabling systems. Including 10Base -T, 100Base -T 1000Base -T,, ATM & Token Ring. This range of unshielded cables is designed to support Cat 6 Link and Channel performance.



► **Construction**

Conductor	24AWG annealed bare copper
Insulation	Polyethylene
Colour Code	White/ Blue -Blue, White/Orange -Orange, White/ Green -Green, White/ Brown -Brown
Outer Jacket Overall Diameter	PVC compound Nominal Diameter 5.8 ± 0.5 mm
Additional Components	Central separator for improved performance.
Printing	Central separator for improved performance.

► **Mechanical Characteristics**

Maximum Pulling Force	100N
Minimum Bending Radius	8*OD
Nominal Weight	34 KG/KM
Operating Temperature	-20 ~ +60 °C
Installation Temperature	+0 ~ +50 °C
Fire Performance	PVC: IEC60332.1 CPR: Eca
Cable Length	305m standard

► **Electrical Performance**

Transmission Frequency (MHz)	1	4	10	16	20	31.25	62.5	100	200	250
NEXT dB	74.3	65.3	59.3	56.2	54.8	51.9	47.4	44.3	39.8	38.3
Characteristic Impedance (Ohm)	100±15								100±22	
Attenuation dB /100m	2.1	3.8	5.9	7.5	8.4	10.4	15.4	19.8	29	32.8
Return Loss dB	20	23	25	25	25	23.6	21.5	20.1	18	17.3
PSNEXT dB	72.3	63.3	57.2	64.2	52.8	49.9	45.4	42.3	37.8	36.3
ACRF dB	67.8	55.8	47.8	43.7	41.8	37.9	31.9	27.8	21.8	19.8
PS ACRF dB	64.8	52.8	44.8	40.7	38.8	34.9	28.9	24.8	18.8	16.8
Delay ns/100m	570	552	545	543	542	540	539	538	537	536
Skew ns/100m	≤45									