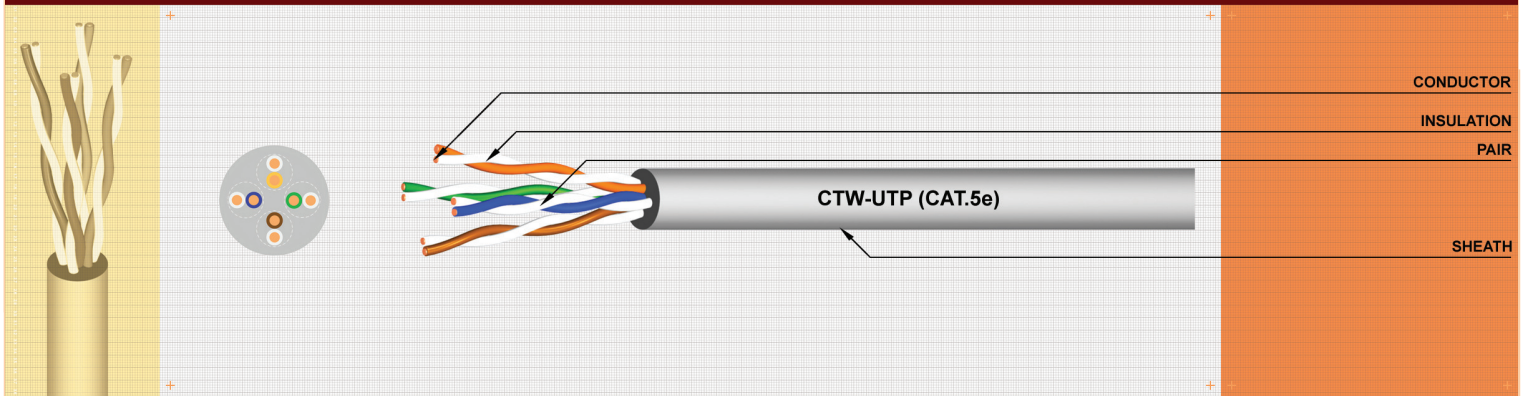




CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : CTW - UTP (CAT.5e)

UNSHIELDED TWISTED PAIR CABLE, UTP CATEGORY 5e



CONSTRUCTION		ELECTRICAL PROPERTIES		STANDARD
Conductor	24 AWG Solid copper	Characteristic Impedance	100 ohms +/- 15 ohms 1 - 100 MHz,	This cable meets or exceeds ANSI/TIA/EIA-568-B.2. Category 5e, CENELEC EN50173, ICEA S-90-661 and ISO/IEC 11801
Insulation	Polyethylene, diameter 1.22 mm max.	Conductor Resistance	9.38 ohm/100m	
Pair	2 Insulated conductors twisted together Lay varied to minimise crosstalk 4 Pair twist together	Mutual Capacitance	5.6 nF/100m max. at 1 kHz.	
Sheath	PVC or LSOH with making	Delay Skew	≤ 45 ns/100m	
OD diameter	6.35 mm nominal	Nom. Velocity of Prop., NVP	62%	APPLICATION - Gigabit Ethernet - 155 Mb/s ATM - Fast Ethernet

PACKAGING
 Available in pull boxes (305m) or non-returnable reel of longer lengths

Electrical Characteristics Technical changes without notice

Frequency MHz	Attenuation dB/100m max Spec.	Pair to Pair				Power Sum		
		NEXT dB/100m min Spec.	ELFEXT dB/100m min Spec.	ACR dB/100m min Spec.	Return Loss dB min Spec.	NEXT dB/100m min Spec.	ELFEXT dB/100m min Spec.	ACR dB/100m min Spec.
0.772	1.8	67.0	66.0	65	19.4	64.0	63.0	62.0
1.0	2.0	65.3	63.8	64	20.0	62.3	60.8	60.0
4.0	4.1	56.3	51.7	53	23.0	53.3	48.7	49.0
8.0	5.8	51.8	45.7	46	24.5	48.8	42.7	43.0
10.0	6.5	50.3	43.8	45	25.0	47.3	40.8	41.0
16.0	8.2	47.3	39.7	40	25.0	44.3	36.7	36.0
20.0	9.3	45.8	37.8	38	25.0	42.8	34.8	34.0
25.0	10.4	44.3	35.8	34	24.3	41.3	32.8	31.0
31.25	11.7	42.9	33.9	32	23.6	39.9	30.9	28.0
62.5	17.0	38.4	27.8	22	21.5	35.4	24.8	18.0
100.0	22.0	35.3	23.8	14	20.1	32.3	20.8	10.0

Product Code : T29050004

pair Colour Coding	
Pair 1	Blue/White-Blue
Pair 2	Orange/White-Orange
Pair 3	Green/White-Green
Pair 4	Brown/White-Brown