

Category 5e UTP Cables

Category 5e 4-Pair Cable consists of 24AWG solid-copper conductors insulated with high-density polyethylene. The insulated conductors are tightly twisted into pairs and covered with PVC Material.

The Category 5e 4-Pair Cable provides excellent high-speed transmission, is certified to 100MHz and supports applications such as 155Mb/s ATM, 622Mb/s ATM and IEEE 802.3 1000 Base-T (Gigabit Ethernet) standard, using parallel transmission technology.

PHYSICAL SPECIFICATIONS

Gauge	24AWG
Jacket Thickness	0.45 ± 0.04mm
Weight	32kg/km
Tensile Strength (Mpa)	≥13.8kg
Outside Diameter	4.8 ± 0.2mm
Operating Temperature Range	-20°C ~ 60°C
Insulation Thickness	0.20mm

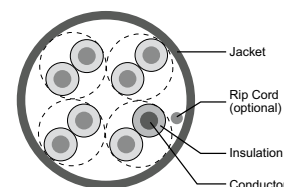
ELECTRICAL SPECIFICATIONS

Non. Velocity of Prop. (NVP)	0.69
Max. Conductor Resistance 20°C	9.38 Ohms/100m
Resistance Unbalance %	≤5%
Pair-to-Ground Capacitance Unbalance	≤330pF/100m

Frequency (MHz)	Return Loss (dB)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	Delay (ns/100m)
0.772	19.4	1.8	67	65	64	66	63	575
1	20	2	65.3	63	62.3	63.8	60.8	570
4	23	4.1	56.3	52	53.3	51.7	48.7	552
8	25	5.8	51.8	46	48.8	45.7	42.7	546.7
10	25	6.5	50.3	44	47.3	43.8	40.8	545.4
16	25	8.2	47.3	39	44.2	39.7	36.7	543
20	25	9.3	45.8	37	42.8	37.7	34.7	542
25	24.3	10.4	44.3	34	41.3	35.8	32.8	541.2
31.25	23.6	11.7	42.9	31	39.9	33.9	30.9	540.4
62.5	21.5	17	38.4	21	35.4	27.8	24.8	538.6
100	20.1	22	35.3	13	32.3	23.8	20.8	537.6



CAB5E305GYCC



PRODUCT FEATURES

- Compliant with Enhanced Category 5 Standard.
- PE Insulation of conductors.
- Grey PVC jacket.

CUSTOMER BENEFITS

- Ideal for high-speed networks and broadband distribution in the premise.
- Suits horizontal and vertical wiring.
- Packaged in an easy pull out box.

CATALOGUE NUMBER	DESCRIPTION
CAB5E305GYCC	Category 5e, Broadband Cable, 305m, Grey