

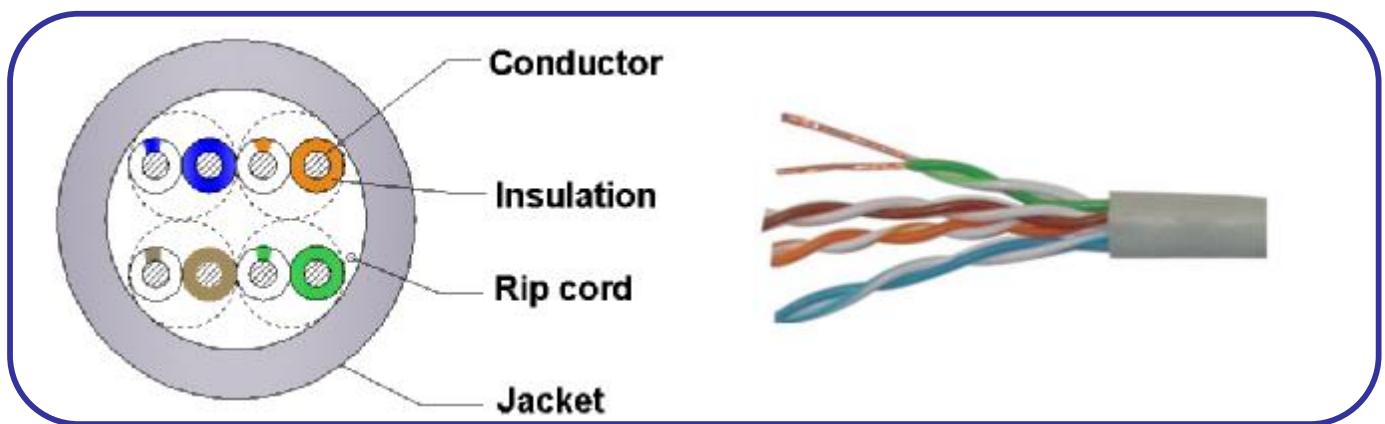


## UTP CAT.5

### Ø Type & Specification

Type	Conductor	Insulation	Jacket	Rated Temperature
UTP CAT.5	0.5mmCCAM	HDPE	PVC (CM、CMR) LSOH PE	75°C

### Ø Product Structure



### Ø Characteristics

Conductor resistance, maximum,	$\Omega/\text{km}$ (20°C)	240
Mutual pairs capacitance	nF/km	54
Dielectric strength (DC test voltage for 1 min, )	DC (V)	1000
Insulation resistance, minimum,	M $\Omega \cdot \text{km}$	5000

### Ø Transmission Characteristics

Frequency	NEXT	PSNEXT	ELFEXT	PSELFEXT	ZO
MHZ	$\geq \text{dB}$	$> \text{dB}$	$\geq \text{dB}$	$\leq \text{dB}$	$\Omega$
1.0	62.3	62.3	61.0	61.0	100±15
4.0	53.3	53.3	49.0	49.0	100±15
10.0	47.3	47.3	41.0	41.0	100±15
16.0	44.2	44.2	36.9	36.9	100±15
20.0	42.8	42.8	35.0	35.0	100±15
31.25	39.9	39.9	31.1	31.1	100±15
62.5	35.4	35.4	25.1	25.1	100±15
100.0	32.3	32.3	21.0	21.0	100±15

### GRAND EASE COMMUNICATION CABLE CO.,LTD